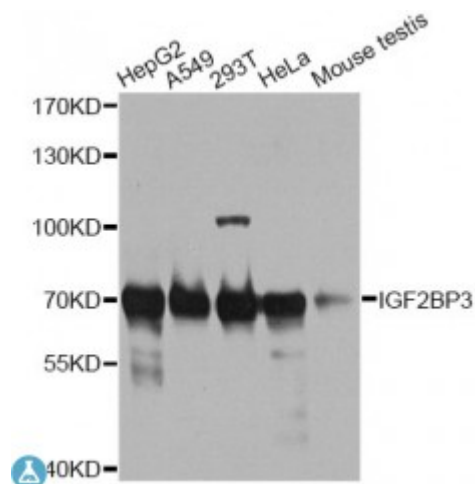


## Anti-IGF2BP3 Antibody



### Description

The protein encoded by this gene is primarily found in the nucleolus, where it can bind to the 5' UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes.

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>              | STJ116296                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>         | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>       | IP, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>          | Recombinant fusion protein containing a sequence corresponding to amino acids 300-579 of human IGF2BP3 (NP_006538.2).                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene ID</b>            | <a href="#">10643</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Symbol</b>        | <a href="#">IGF2BP3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Dilution range</b>     | WB 1:500 - 1:1000<br>IP 1:20 - 1:50                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Specificity</b> | Expressed in fetal liver, fetal lung, fetal kidney, fetal thymus, fetal placenta, fetal follicles of ovary and gonocytes of testis, growing oocytes, spermatogonia and semen (at protein level), Expressed in cervix adenocarcinoma, in testicular, pancreatic and renal-cell carcinomas (at protein level), Expressed ubiquitously during fetal development at 8 and 14 weeks of gestation, Expressed in ovary, testis, brain, placenta, pancreatic cancer tissues and pancreatic cancer cell lines |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purification</b>          | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Note</b>                  | For Research Use Only (RUO).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Name</b>          | Insulin-like growth factor 2 mRNA-binding protein 3 IGF2 mRNA-binding protein 3 IMP-3 IGF-II mRNA-binding protein 3 KH domain-containing protein overexpressed in cancer hKOC VICKZ family member 3                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Weight</b>      | 63.705 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality</b>             | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Conjugation</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>   | Store at -20C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Database Links</b>        | <a href="#">HGNC:28868</a> <a href="#">OMIM:608259</a> <a href="#">Reactome:R-HSA-428359</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Alternative Names</b>     | Insulin-like growth factor 2 mRNA-binding protein 3 IGF2 mRNA-binding protein 3 IMP-3 IGF-II mRNA-binding protein 3 KH domain-containing protein overexpressed in cancer hKOC VICKZ family member 3                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>              | RNA-binding factor that may recruit target transcripts to cytoplasmic protein-RNA complexes (mRNPs), This transcript 'caging' into mRNPs allows mRNA transport and transient storage, It also modulates the rate and location at which target transcripts encounter the translational apparatus and shields them from endonuclease attacks or microRNA-mediated degradation, Binds to the 3'-UTR of CD44 mRNA and stabilizes it, hence promotes cell adhesion and invadopodia formation in cancer cells, Binds to beta-actin/ACTB and MYC transcripts, Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs, |
| <b>Cellular Localization</b> | Nucleus, Cytoplasm,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |