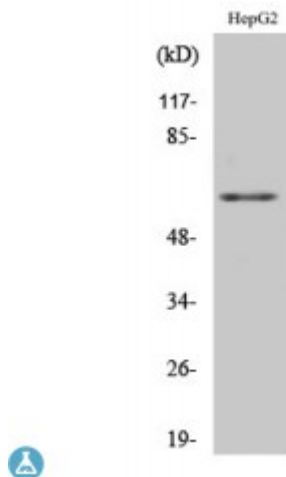


## Anti-hnRNP K antibody



|                         |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Rabbit polyclonal to hnRNP K.                                                                                         |
| <b>Model</b>            | STJ93567                                                                                                              |
| <b>Host</b>             | Rabbit                                                                                                                |
| <b>Reactivity</b>       | Human, Mouse, Rat                                                                                                     |
| <b>Applications</b>     | ELISA, IHC, WB                                                                                                        |
| <b>Immunogen</b>        | Synthesized peptide derived from human hnRNP K around the non-phosphorylation site of S284.                           |
| <b>Immunogen Region</b> | 220-300 aa                                                                                                            |
| <b>Gene ID</b>          | <a href="#">3190</a>                                                                                                  |
| <b>Gene Symbol</b>      | <a href="#">HNRNPK</a>                                                                                                |
| <b>Dilution range</b>   | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000                                                                           |
| <b>Specificity</b>      | hnRNP K Polyclonal Antibody detects endogenous levels of hnRNP K protein.                                             |
| <b>Purification</b>     | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Note</b>             | For Research Use Only (RUO).                                                                                          |
| <b>Protein Name</b>     | Heterogeneous nuclear ribonucleoprotein K hnRNP K Transformation up-regulated nuclear protein TUNP                    |
| <b>Molecular Weight</b> | 51 kDa                                                                                                                |
| <b>Clonality</b>        | Polyclonal                                                                                                            |

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Formulation</b>                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>                    | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Database Links</b>                   | <a href="https://www.ncbi.nlm.nih.gov/ncbiinfo/condensed/condensed.html?term=HGNC:5044OMIM:600712">HGNC:5044OMIM:600712</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Alternative Names</b>                | Heterogeneous nuclear ribonucleoprotein K hnRNP K Transformation up-regulated nuclear protein TUNP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>                         | One of the major pre-mRNA-binding proteins. Binds tenaciously to poly(C) sequences. Likely to play a role in the nuclear metabolism of hnRNAs, particularly for pre-mRNAs that contain cytidine-rich sequences. Can also bind poly(C) single-stranded DNA. Plays an important role in p53/TP53 response to DNA damage, acting at the level of both transcription activation and repression. When sumoylated, acts as a transcriptional coactivator of p53/TP53, playing a role in p21/CDKN1A and 14-3-3 sigma/SFN induction . As far as transcription repression is concerned, acts by interacting with long intergenic RNA p21 (lincRNA-p21), a non-coding RNA induced by p53/TP53. This interaction is necessary for the induction of apoptosis, but not cell cycle arrest. |
| <b>Cellular Localization</b>            | Cytoplasm Nucleus, nucleoplasm Cell projection, podosome. Recruited to p53/TP53-responsive promoters, in the presence of functional p53/TP53 . In case of ASFV infection, there is a shift in the localization which becomes predominantly nuclear .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Post-translational Modifications</b> | Arg-296 and Arg-299 are dimethylated, probably to asymmetric dimethylarginine.; Sumoylated by CBX4. Sumoylation is increased upon DNA damage, such as that produced by doxorubicin, etoposide, UV light and camptothecin, due to enhanced CBX4 phosphorylation by HIPK2 under these conditions. Ubiquitinated by MDM2. Doxorubicin treatment does not affect monoubiquitination, but slightly decreases HNRNPK poly-ubiquitination. O-glycosylated (O-GlcNAcylated), in a cell cycle-dependent manner.                                                                                                                                                                                                                                                                        |