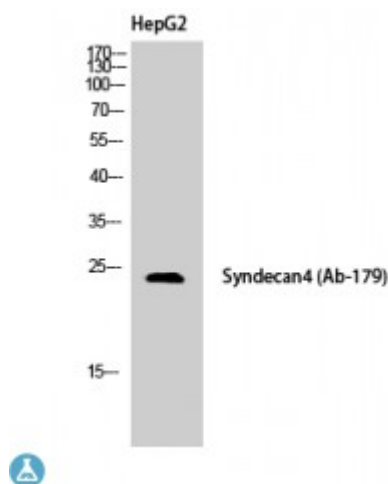


## Anti-Syndecan-4 antibody



### Description

Syndecan-4 is a protein encoded by the SDC4 gene which is approximately 21,6 kDa. Syndecan-4 isoform 1 is localised to the cell membrane and isoform 2 is secreted. It is involved in glycosaminoglycan metabolism, metabolism of fat-soluble vitamins, wnt signalling pathways and non-integrin membrane-ECM interactions. It is a transmembrane that functions as a receptor in intracellular signalling. The encoded protein is found as a homodimer and is a member of the syndecan proteoglycan family. It also regulates exosome biogenesis in concert with SDCBP and PDCD6IP. Syndecan-4 is expressed in epithelial and fibroblastic cells. STJ95856 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of Syndecan-4 protein.

|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| <b>Model</b>            | STJ95856                                                                                       |
| <b>Host</b>             | Rabbit                                                                                         |
| <b>Reactivity</b>       | Human, Mouse, Rat                                                                              |
| <b>Applications</b>     | ELISA, IF, IHC, WB                                                                             |
| <b>Immunogen</b>        | Synthesized peptide derived from human Syndecan-4 around the non-phosphorylation site of S179. |
| <b>Immunogen Region</b> | 120-200 aa                                                                                     |
| <b>Gene ID</b>          | <a href="#">6385</a>                                                                           |
| <b>Gene Symbol</b>      | <a href="#">SDC4</a>                                                                           |
| <b>Dilution range</b>   | WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000                                     |
| <b>Specificity</b>      | Syndecan-4 Polyclonal Antibody detects endogenous levels of Syndecan-4                         |

protein.

|                                         |                                                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tissue Specificity</b>               | Expressed in epithelial and fibroblastic cells.                                                                                                                 |
| <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>                     | Syndecan-4 SYND4 Amphiglycan Ryudocan core protein                                                                                                              |
| <b>Molecular Weight</b>                 | 22 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="#">HGNC:10661OMIM:600017</a>                                                                                                                           |
| <b>Alternative Names</b>                | Syndecan-4 SYND4 Amphiglycan Ryudocan core protein                                                                                                              |
| <b>Function</b>                         | Cell surface proteoglycan that bears heparan sulfate. Regulates exosome biogenesis in concert with SDCBP and PDCD6IP .                                          |
| <b>Cellular Localization</b>            | Isoform 1: Membrane Secreted. Shedding of the ectodomain produces a soluble form. Isoform 2: Secreted.                                                          |
| <b>Post-translational Modifications</b> | Shedding is enhanced by a number of factors such as heparanase, thrombin or EGF. Also by stress and wound healing. PMA-mediated shedding is inhibited by TIMP3. |