



# CD294 Polyclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | YP-Ab-13731  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Mouse  |
| <b>Applications</b>       | WB;IHC;IF;ELISA  |
| <b>Gene Name</b>          | PTGDR2   |
| <b>Protein Name</b>       | Prostaglandin D2 receptor 2  |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from the Internal region of human PTGDR2. AA range:161-210  |
| <b>Specificity</b>        | CD294 Polyclonal Antibody detects endogenous levels of CD294 protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | PTGDR2; CRTH2; DL1R; GPR44; Prostaglandin D2 receptor 2; Chemoattractant receptor-homologous molecule expressed on Th2 cells; G-protein coupled receptor 44; CD294   |
| <b>Observed Band</b>      | 43kD   |
| <b>Cell Pathway</b>       | Cell membrane ; Multi-pass membrane protein . Internalized receptors colocalized with RAB11A. .  |
| <b>Tissue Specificity</b> | Widespread expression. High expression in stomach, small intestine, heart and thymus. Intermediate expression in colon, spinal cord and peripheral blood and low expression in brain, skeletal muscle and spleen. Expressed also on Th2- and Tc2- type cells, eosinophils and basophils.   |
| <b>Function</b>           | function:Orphan receptor.,similarity:Belongs to the G-protein coupled receptor 1 family.,  |
| <b>Background</b>         | This gene encodes a G-protein-coupled receptor that is preferentially expressed in CD4+ effector T helper 2 (Th2) cells. This protein is a prostaglandin D2 receptor that mediates the pro-inflammatory chemotaxis of eosinophils, basophils, and Th2 lymphocytes generated during allergic inflammation. Single nucleotide polymorphisms in the 3' UTR of this gene have been associated with asthma susceptibility.[provided by RefSeq, Mar 2011], |



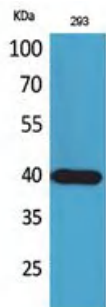
**matters needing attention**

Avoid repeated freezing and thawing!

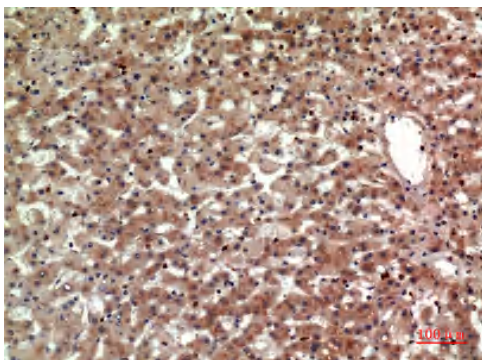
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

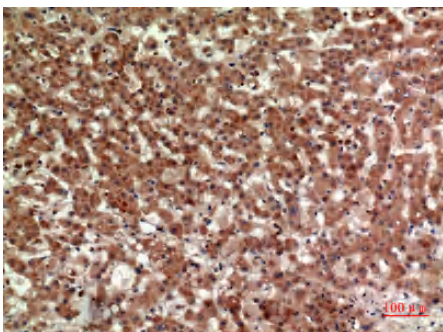
**Products Images**



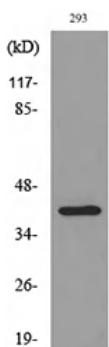
Western Blot analysis of 293 cells using CD294 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Western blot analysis of lysate from 293 cells, using PTGDR2 Antibody.