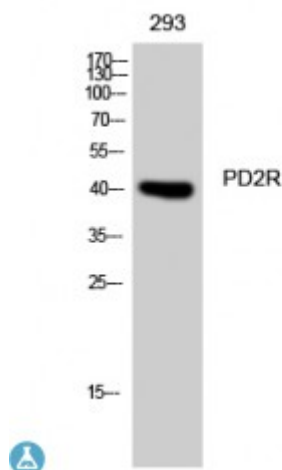


## Anti-PD2R antibody



### Description

PD2R is a protein encoded by the PTGDR gene which is approximately 40,2 kDa. PD2R is localised to the cell membrane. It is involved in peptide ligand-binding receptor, signalling by GPCR, celecoxib pathway and ibuprofen pathway. It is a receptor for prostaglandin D2. This receptor is mainly mediated by G proteins that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP. PD2R is expressed in ciliary epithelium, ciliary muscles, small intestine and platelet membranes. Mutations in the PTGDR gene may result in asthma. STJ94989 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of PD2R protein.

<b>Model</b>	STJ94989
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA, IF, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human PD2R
<b>Immunogen Region</b>	230-310 aa, C-terminal
<b>Gene ID</b>	<a href="#">5729</a>
<b>Gene Symbol</b>	<a href="#">PTGDR</a>
<b>Dilution range</b>	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
<b>Specificity</b>	PD2R Polyclonal Antibody detects endogenous levels of PD2R protein.
<b>Tissue Specificity</b>	Expressed in retinal choroid, ciliary epithelium, longitudinal and circular ciliary muscles, iris, small intestine and platelet membranes.

<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>	Prostaglandin D2 receptor PGD receptor PGD2 receptor Prostanoid DP receptor
<b>Molecular Weight</b>	40 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.ebi.ac.uk/ENSP/entry/HGNC:9591OMIM:604687">HGNC:9591OMIM:604687</a>
<b>Alternative Names</b>	Prostaglandin D2 receptor PGD receptor PGD2 receptor Prostanoid DP receptor
<b>Function</b>	Receptor for prostaglandin D2 (PGD2). The activity of this receptor is mainly mediated by G(s) proteins that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP. A mobilization of calcium is also observed, but without formation of inositol 1,4,5-trisphosphate .
<b>Cellular Localization</b>	Cell membrane