

PD2R rabbit pAb**Cat#: orb769761 (Manual)**

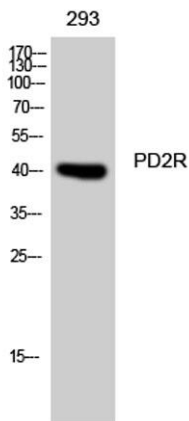
For research use only. Not intended for diagnostic use.

Product Name	PD2R rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PTGDR. AA range:263-312
Specificity	PD2R Polyclonal Antibody detects endogenous levels of PD2R protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Prostaglandin D2 receptor
Gene Name	PTGDR
Cellular localization	Cell membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

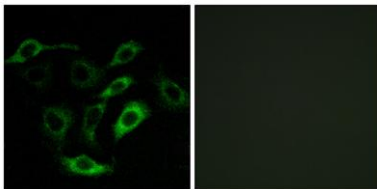
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	5729
Human Swiss-Prot Number	Q13258
Alternative Names	PTGDR; Prostaglandin D2 receptor; PGD receptor; PGD2 receptor; Prostanoid DP receptor

Background

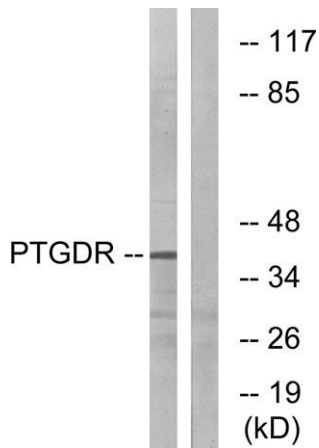
This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein is reported to be a receptor for prostaglandin D₂, which is a mediator of allergic inflammation and allergic airway inflammation in asthma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],



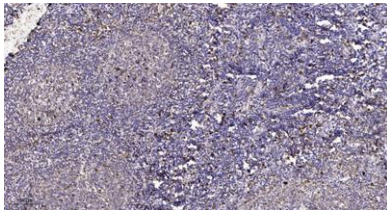
Western Blot analysis of 293 cells using PD2R Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of A549 cells, using PTGDR Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using PTGDR Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).