



# PD2R Monoclonal Antibody

Catalog No	BYmab-13657
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PTGDR
Protein Name	Prostaglandin D2 receptor
Immunogen	The antiserum was produced against synthesized peptide derived from human PTGDR. AA range:263-312
Specificity	PD2R Monoclonal Antibody detects endogenous levels of PD2R protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PTGDR; Prostaglandin D2 receptor; PGD receptor; PGD2 receptor; Prostanoid DP receptor
Observed Band	40kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in retinal choroid, ciliary epithelium, longitudinal and circular ciliary muscles, iris, small intestine and platelet membranes.
Function	disease:Genetic variations in PTGDR are associated with susceptibility to asthma-related traits type 1 (ASRT1) [MIM:607277]. Asthma-related traits include clinical symptoms of asthma, such as coughing, wheezing and dyspnea.,function: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.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in retinal choroid, ciliary epithelium, longitudinal and circular ciliary muscles, iris, small intestine and platelet membranes.,

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## 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 D<sub>2</sub>, 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],

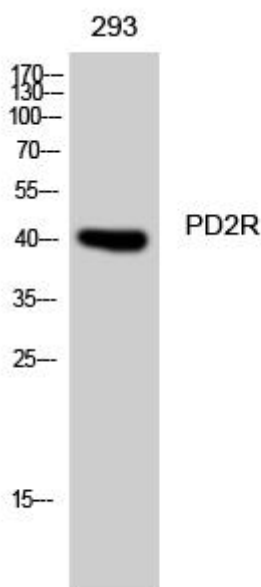
## matters needing attention

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 various cells using PD2R Monoclonal Antibody