

PTGDR antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14652**Specification**

PTGDR antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q13258
Other Accession	NM_000953 , NP_000944
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa

PTGDR antibody - C-terminal region - Additional Information**Gene ID** 5729**Alias Symbol** AS1, ASRT1, DP, DP1, MGC49004, PTGDR1**Other Names**

Prostaglandin D2 receptor, PGD receptor, PGD2 receptor, Prostanoid DP receptor, PTGDR

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PTGDR antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PTGDR antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PTGDR antibody - C-terminal region - Protein Information**Name** PTGDR**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 (By similarity). Involved in PLA2G3- dependent maturation of mast cells. PLA2G3 is secreted by immature mast cells and acts on nearby fibroblasts upstream to PTGDS to synthesize PGD2, which in turn promotes mast cell maturation and degranulation via PTGDR (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

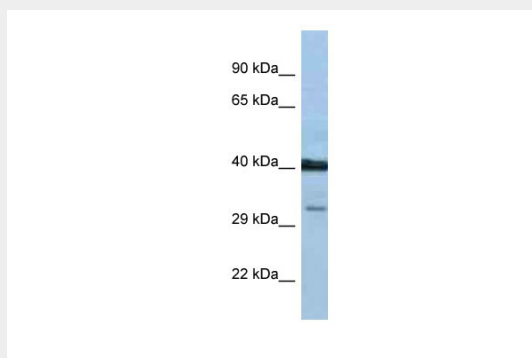
Tissue Location

Expressed in retinal choroid, ciliary epithelium, longitudinal and circular ciliary muscles, iris, small intestine and platelet membranes.

PTGDR antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTGDR antibody - C-terminal region - Images

WB Suggested Anti-PTGDR Antibody Titration: 1.0 µg/ml

Positive Control: THP-1 Whole Cell

PTGDR antibody - C-terminal region - References

- Boie Y., et al. J. Biol. Chem. 270:18910-18916(1995).
Martin A.L., et al. Submitted (APR-2007) to the EMBL/GenBank/DDBJ databases.
Heilig R., et al. Nature 421:601-607(2003).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Town M.H., et al. Prostaglandins 25:13-28(1983).