

Rabbit anti-Human PTGDR Polyclonal Antibody | anti-PTGDR antibody

PTGDR Antibody

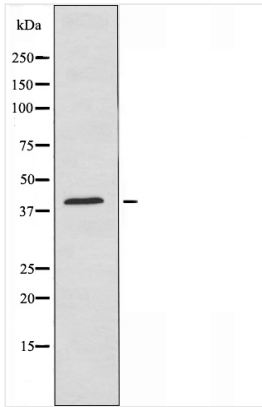
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325810	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

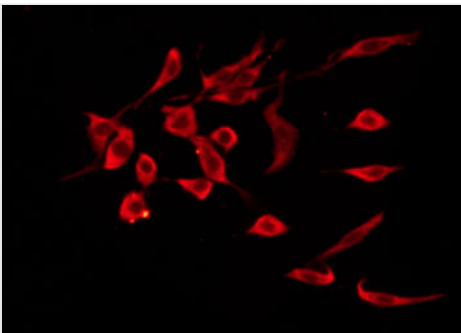
PTGDR; Polyclonal Antibody; PTGDR Antibody; AS 1; AS1; ASRT 1; ASRT1; DP; MGC49004; OTTHUMP00000178986; PD2R_HUMAN; PGD receptor; PGD2 receptor; Prostaglandin D2 receptor (DP); Prostaglandin D2 receptor; Prostanoid DP receptor; Ptgdr; anti-PTGDR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PTGDR antibody detects endogenous levels of total PTGDR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	359
Applicable Applications for anti-PTGDR antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed in retinal choroid, ciliary epithelium, longitudinal and circular ciliary muscles, iris, small intestine and platelet membranes.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using PTGDR antibody.



IF (Immunofluorescence)
AAA325810 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGDR antibody	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). Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28466969
NCBI GeneID	5729
NCBI Accession #	NP_000944.1
NCBI GenBank Nucleotide #	NM_000953.2
UniProt Accession #	Q13258; Q13250; Q13251; Q1ZZ52; G3V5L3
Molecular Weight	Observed: 40 kD Predicted: 41 kDa
NCBI Official Full Name	prostaglandin D2 receptor isoform 1
NCBI Official Synonym Full Names	prostaglandin D2 receptor
NCBI Official Symbol	PTGDR
NCBI Official Synonym Symbols	DP; AS1; DP1; ASRT1; PTGDR1
NCBI Protein Information	prostaglandin D2 receptor
UniProt Protein Name	Prostaglandin D2 receptor
UniProt Gene Name	PTGDR
UniProt Synonym Gene Names	PGD receptor; PGD2 receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.