

Rabbit anti-Human, Mouse PTGDR2 Polyclonal Antibody | anti-PTGDR2 antibody

PTGDR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40530	Rabbit	Human, Mouse	Immunofluorescence, Western Blot, ELISA

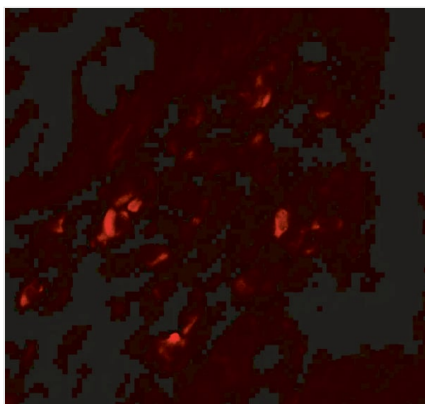
PRODUCT SYNONYMS

PTGDR2; Polyclonal Antibody; PTGDR2 Antibody; DP2; DL1R; CD294; CRTH2; GPR44; Prostaglandin D2 receptor 2; Chemoattractant receptor-homologous molecule expressed on Th2 cells; prostaglandin D2 receptor 2; anti-PTGDR2 antibody

PRODUCT SPECIFICATIONS

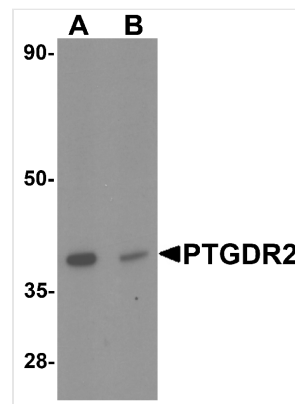
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PTGDR2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	395
Applicable Applications for anti-PTGDR2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal PTGDR2 antibody was raised against a 19 amino acid peptide near the center of human PTGDR2.
Buffer	PTGDR2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PTGDR2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of PTGDR2 in human small intestine tissue with PTGDR2 antibody at 20 µg/mL.



WB (Western Blot)

Western blot analysis of PTGDR2 in small intestine tissue lysate with PTGDR2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGDR2 antibody	PTGDR2 Antibody: The prostaglandin D2 receptor 2 (PTGDR2), also known as CRTH2, is expressed on Th2 cells and eosinophils and mediates chemotaxis of these cells to PGD2 and is thus thought to be a key receptor mediating eosinophil and Th2 recruitment during allergic responses. However, PTGDR2-null mice showed enhanced eosinophil recruitment into the lung consistent with observations that the PTGDR2-null mice produced significantly higher amounts of interleukin-5 (IL-5) and IL-3. This suggests that PTGDR2 plays a nonredundant role in restricting eosinophilia and allergic response in vivo.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153791424
NCBI GeneID	11251
NCBI Accession #	NP_004769
NCBI GenBank Nucleotide #	NM_004778.2
UniProt Accession #	Q9Y5Y4; O94765; Q4QRI6
Molecular Weight	Predicted: 43 kDa
NCBI Official Full Name	prostaglandin D2 receptor 2
NCBI Official Synonym Full Names	prostaglandin D2 receptor 2
NCBI Official Symbol	PTGDR2
NCBI Official Synonym Symbols	DP2; DL1R; CD294; CRTH2; GPR44
NCBI Protein Information	prostaglandin D2 receptor 2; G protein-coupled receptor 44; G-protein coupled receptor 44; putative G-protein coupled receptor 44; chemoattractant receptor-homologous molecule expressed on TH2 cells; chemoattractant receptor homologous molecule expressed on T helper type 2 cells
UniProt Protein Name	Prostaglandin D2 receptor 2
UniProt Gene Name	PTGDR2
UniProt Synonym Gene Names	CRTH2; DL1R; GPR44
UniProt Entry Name	PD2R2_HUMAN

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.