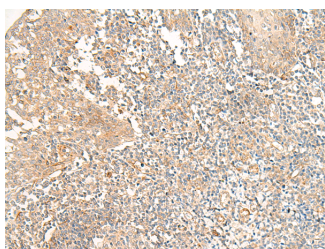


PTGDR2 Polyclonal Antibody

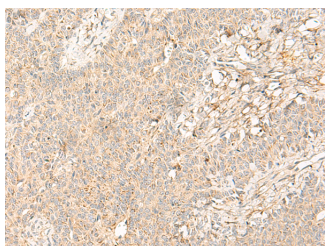
Catalog No.	E-AB-18034	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	IHC,ELISA	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Immunohistochemistry of paraffin-embedded Human tonsil tissue using PTGDR2 Polyclonal Antibody at dilution of 1:30(×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using PTGDR2 Polyclonal Antibody at dilution of 1:30(×200)

Immunogen Information

Immunogen	Synthetic peptide of human PTGDR2
Gene Accession	NP004769
Swissprot	Q9Y5Y4
Synonyms	CD294,CD294 antigen,GPR44,Gpr44,GPR44,PTGDR2,Putative G protein coupled receptor 44

Product Information

Buffer	PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	IHC 1:30-1:150, ELISA 1:5000-1:10000

Background

This gene encodes a G-protein-coupled receptor that is preferentially expressed in CD4+ effector T helper 2 (Th2) cells. This protein is a prostaglandin D2 receptor that mediates the pro-inflammatory chemotaxis of eosinophils, basophils, and Th2 lymphocytes generated during allergic inflammation. Single nucleotide polymorphisms in the 3' UTR of this gene have been associated with asthma susceptibility. PTGDR2 (Prostaglandin D2 Receptor 2) is a Protein Coding gene. Diseases associated with PTGDR2 include Folliculitis and Eosinophilic Pustular Folliculitis. Among its related pathways are Peptide ligand-binding receptors and Ibuprofen Pathway, Pharmacodynamics. GO annotations related to this gene include G-protein coupled receptor activity and prostaglandin F receptor activity. An important paralog of this gene is FPR3.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.