

Rabbit GPR44 / CRTH2 Polyclonal Antibody | anti-GPR44 antibody

Rabbit Polyclonal to Human GPR44 / CRTH2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50771	Rabbit	Gorilla, Human	ELISA, Immunohistochemistry

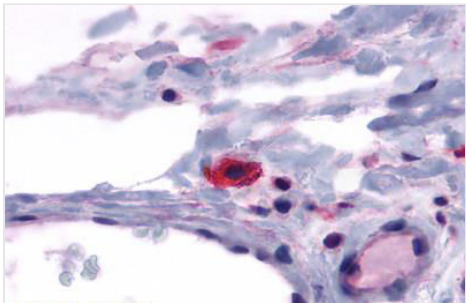
PRODUCT SYNONYMS

GPR44 / CRTH2; Polyclonal Antibody; Rabbit Polyclonal to Human GPR44 / CRTH2; Anti-GPR44 / CRTH2 Antibody (C-Terminus) IHC-plus; PTGDR2; CD294; CRTH2; CD294 antigen; DP2; DL1R; G protein-coupled receptor 44; G-protein coupled receptor 44; HCRTH2; DP2 prostaglandin receptor; GPR44; Prostaglandin D2 receptor 2; Human GPR44; anti-GPR44 antibody

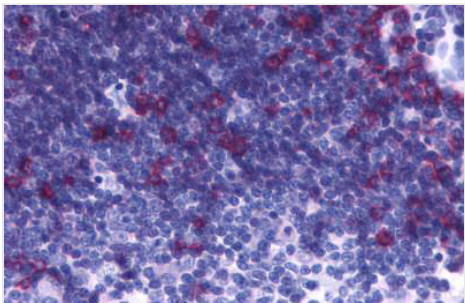
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gorilla, Human
Clonality	Polyclonal
Specificity	Human GPR44 / CRTH2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except KCNN2 (50%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	395
Applicable Applications for anti-GPR44 antibody	ELISA, IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 20 amino acid peptide from C-terminal cytoplasmic domain of human GPR44 / CRTH2. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Pig (85%); Elephant (80%).
Immunogen Type	Synthetic peptide
Immunogen	GPR44 / CRTH2 antibody was raised against synthetic 20 amino acid peptide from C-terminal cytoplasmic domain of human GPR44 / CRTH2. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Pig (85%); Elephant (80%).
Antigen Modification	C-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-GPR44 / CRTH2 antibody IHC of human tonsil mast cell. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-GPR44 / CRTH2 antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR44 antibody	GPR44, also called CRTH2, is a Prostanoid Receptor that binds prostaglandin D2. PGD2 signals through CRTH2 to induce Th2, eosinophil, and basophil chemotaxis in a G-alpha(i) dependent manner. CRTH2 may play a role in mast cell-mediated immune responses such as those involved in allergic reactions. This receptor is upregulated in activated T helper-2 (Th2) cells, peripheral blood basophils, and eosinophils, but not in Th1 lineage cells. It may be a useful marker for Th2 and Tc2 cells.
Product Categories/Family for anti-GPR44 antibody	Family: GPCR; Subfamily: Prostanoid

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791424
NCBI GeneID	11251
NCBI Accession #	NP_004769.2
NCBI GenBank Nucleotide #	NM_004778.2
UniProt Accession #	Q9Y5Y4; O94765; Q4QRI6
Molecular Weight	43,268 Da
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.