

Rabbit anti-Human GPR44 Polyclonal Antibody | anti-GPR44 antibody

GPR44 Antibody

CATALOG # AAA323570	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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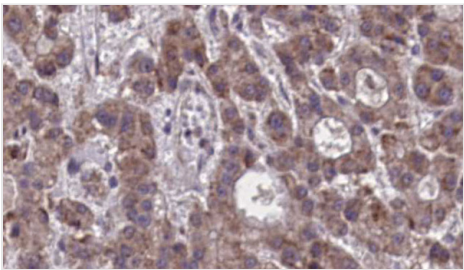
PRODUCT SYNONYMS

GPR44; Polyclonal Antibody; GPR44 Antibody; CD294; CD294 antigen; Chemoattractant receptor homologous molecule expressed on Th2 cells; chemoattractant receptor-homologous; Chemoattractant receptor-homologous molecule expressed on Th2 cells; CRTH 2; CRTH2; DL1R; DP2 prostaglandin receptor; G Protein Coupled Receptor 44; GPR 44; Gpr44; GPR44_HUMAN; PTGDR2; Putative G protein coupled receptor 44; Putative G-protein coupled receptor 44; anti-GPR44 antibody

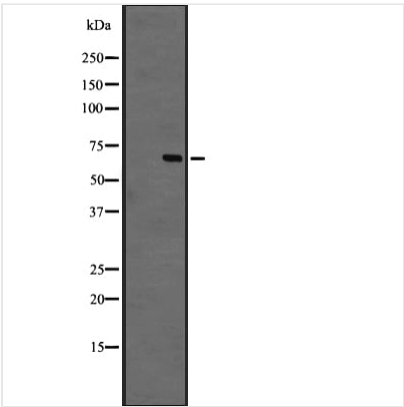
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GPR44 antibody detects endogenous levels of total GPR44
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	395
Applicable Applications for anti-GPR44 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Widespread expression. High expression in stomach, small intestine, heart and thymus. Intermediate expression in colon, spinal cord and peripheral blood and low expression in brain, skeletal muscle and spleen. Expressed also on Th2-and Tc2-type cells, eosinophils and basophils.
Conjugation	Unconjugated

IMAGES



IHC (Immunohiostchemistry)
AAA323570 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of GPR44 expression in Jurkat cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR44 antibody	Description: Orphan receptor. Function: Receptor for prostaglandin D2 (PGD2). Coupled to the G(i)-protein. Receptor activation may result in pertussis toxin-sensitive decreases in cAMP levels and Ca2+ mobilization. PI3K signaling is also implicated in mediating PTGDR2 effects. PGD2 induced receptor internalization. CRTH2 internalization can be regulated by diverse kinases such as, PKC, PKA, GRK2, GPRK5/GRK5 and GRK6. Receptor activation is responsible, at least in part, in immune regulation and allergic/inflammation responses. Post-translational Modifications: Phosphorylated. Similarity: The 330-DSEL-333 motif is involved in the recycling of PTGDR2 to the cell surface after agonist-induced internalization. This motif seems to be required for GRK2 and GPRK5/GRK5 to promote agonist-induced internalization. Thr-347 is a major site for PKC-induced internalization of the receptor. Belongs to the G-protein coupled receptor 1 family.
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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	Observed: 66 kDa Predicted: 44 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
UniProt Protein Name	Prostaglandin D2 receptor 2
UniProt Gene Name	PTGDR2
UniProt Synonym Gene Names	CRTH2; DL1R; GPR44

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gpr44-antibody-immunohistochemistry-western-blot-elisa/323570>