

GPR44 / CRTH2 Antibody (aa329-348)
Rabbit Polyclonal Antibody
Catalog # ALS13598**Specification**

GPR44 / CRTH2 Antibody (aa329-348) - Product Information

Application	IHC
Primary Accession	O9Y5Y4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

GPR44 / CRTH2 Antibody (aa329-348) - Additional Information**Gene ID** 11251**Other Names**

Prostaglandin D2 receptor 2, Chemoattractant receptor-homologous molecule expressed on Th2 cells, G-protein coupled receptor 44, CD294, PTGDR2, CRTH2, DL1R, GPR44

Target/Specificity

Residues 329-348 [DDSELGGAGSSRRRRTSSTA] of the CRTH2 (GPR44) protein. This sequence is near the C terminus.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GPR44 / CRTH2 Antibody (aa329-348) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR44 / CRTH2 Antibody (aa329-348) - Protein Information**Name** PTGDR2**Synonyms** CRTH2, DL1R, GPR44**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 Ca(2+) 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.

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Internalized receptors colocalized with

RAB11A.

Tissue Location

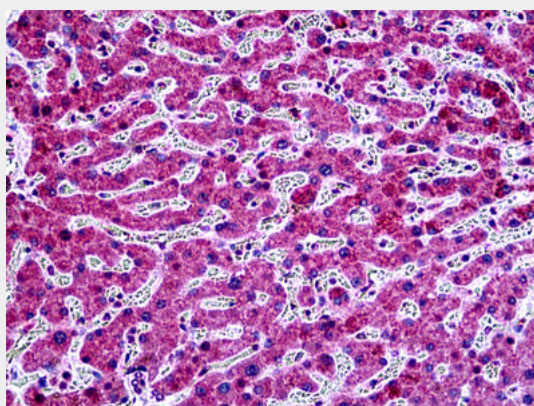
Widespread expression. High expression in stomach, small intestine, heart and thymus. Intermediate expression in colon, spinal cord and peripheral blood and low expression in brain, skeletal muscle and spleen. Expressed also on Th2- and Tc2- type cells, eosinophils and basophils.

GPR44 / CRTH2 Antibody (aa329-348) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR44 / CRTH2 Antibody (aa329-348) - Images



Anti-GPR44 / CRTH2 antibody IHC of human liver.

GPR44 / CRTH2 Antibody (aa329-348) - Background

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GPR44 / CRTH2 Antibody (aa329-348) - References

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Nagata K.,et al.J. Immunol. 162:1278-1286(1999).
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Taylor T.D.,et al.Nature 440:497-500(2006).