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# GPR44 / CRTH2 Antibody (N-Terminus)

**Rabbit Polyclonal Antibody**

**Catalog # ALS10672**

## Specification

### GPR44 / CRTH2 Antibody (N-Terminus) - Product Information

| | |
|---|---|
| Application | **IHC-P, ICC** |
| Primary Accession | Q9Y5Y4 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **43kDa KDa** |
| Dilution | **IHC-P~~N/A**<br>**ICC~~N/A** |

### GPR44 / CRTH2 Antibody (N-Terminus) - 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**
Human GPR44 / CRTH2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**
Long term: -70°C; Short term: +4°C

**Precautions**
GPR44 / CRTH2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

### GPR44 / CRTH2 Antibody (N-Terminus) - 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.

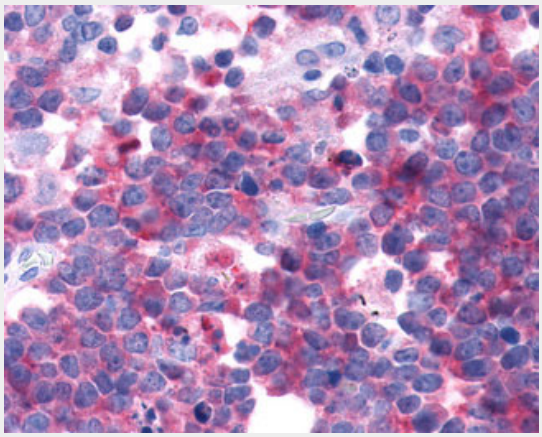
**Volume**
50 µl

## GPR44 / CRTH2 Antibody (N-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## GPR44 / CRTH2 Antibody (N-Terminus) - Images



Anti-GPR44 / CRTH2 antibody IHC of human Lymph Node, Non-Hodgkins Lymphoma.

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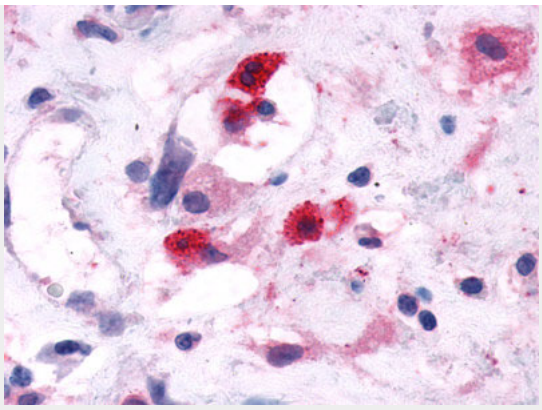
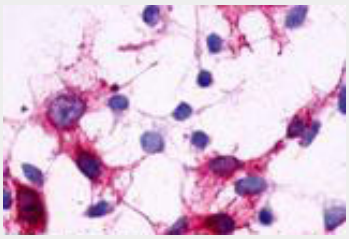


Anti-GPR44 / CRTH2 antibody ALS10672 IHC of human nasal mucosa, eosinophils.



Anti-GPR44 / CRTH2 antibody ALS10672 immunocytochemistry (ICC) staining of HEK293 human...

## GPR44 / CRTH2 Antibody (N-Terminus) - Background

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, ADRBK1/GRK2, GPRK5/GRK5 and GRK6. Receptor activation is responsible, at least in part, in immune regulation and allergic/inflammation responses.

## GPR44 / CRTH2 Antibody (N-Terminus) - 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).