

## Rabbit CRTH2 Polyclonal Antibody | anti-GPR44 antibody

CRTH2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA39665  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

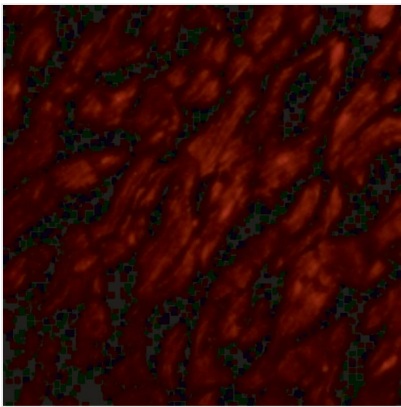
### PRODUCT SYNONYMS

CRTH2; Polyclonal Antibody; CRTH2 Antibody; DP2; DL1R; CD294; GPR44; Prostaglandin D2 receptor 2; Chemoattractant receptor-homologous molecule expressed on Th2 cells; G protein-coupled receptor 44; anti-GPR44 antibody

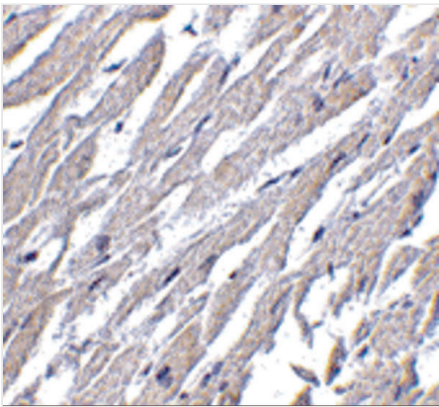
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                           |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                         | IgG                                                                                                                                                                                                                                                         |
| Purity/Purification                             | CRTH2 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                      |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                     |
| Sequence Length                                 | 395                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-GPR44 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                               |
| Conjugate                                       | Unconjugated                                                                                                                                                                                                                                                |
| Immunogen                                       | CRTH2 antibody was raised against a 15 amino acid synthetic peptide from near the center of human CRTH2.                                                                                                                                                    |
| Buffer                                          | CRTH2 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                         | CRTH2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

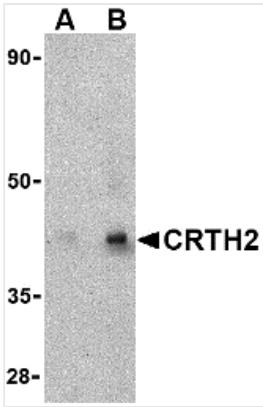
IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of CRTH2 in Human Heart cells with CRTH2 antibody at 20  $\mu$ g/mL.



**IHC (Immunohistochemistry)**  
Immunohistochemistry of CRTH2 in human heart tissue with CRTH2 antibody at 2.5  $\mu$ g/mL.



**WB (Western Blot)**  
Western blot analysis of CRTH2 in human heart tissue lysate with CRTH2 antibody at (A) 1 and (B) 2  $\mu$ g/mL.

ADDITIONAL INFORMATION

**Related Product Information for anti-GPR44 antibody**

CRTH2 Antibody: The chemoattractant receptor-homologous molecule expressed on Th2 cells (CRTH2) is a recently identified receptor for the prostaglandin D2 (PGD2) in addition to the classic prostaglandin D receptor. CRTH2 is expressed on Th2 cells and eosinophils and mediates chemotaxis of these cells to PGD2 and is thus thought to be a key receptor mediating eosinophil and Th2 recruitment during allergic responses. However, CRTH2-null mice showed enhanced eosinophil recruitment into the lung consistent with observations that the CRTH2-null mice produced significantly higher amounts of interleukin-5 (IL-5) and IL-3. This suggests that CRTH2 plays a nonredundant role in restricting eosinophilia and allergic response in vivo. At least two different isoforms of CRTH2 are known to exist.

NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | 153791424                   |
| NCBI GeneID               | 11251                       |
| NCBI Accession #          | NP_004769                   |
| 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                | <b>PTGDR2</b>                                                                                                                                                                                                                                                                           |
| 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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/crth2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39665>