

**Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2)
Recombinant Antibody
Catalog # APR10924****Specification**

Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q9Y5Y4
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) - Additional Information**Target/Specificity**

GPR44 / PTGDR2 / CD294

Endotoxin

< 0.001EU/ µg,determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) - 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

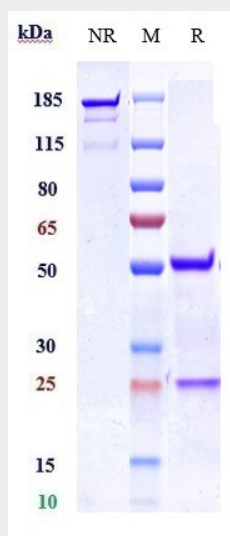
Widespread expression. High expression in stomach, small intestine, heart and thymus. Intermediate expression in colon, spinal cord and peripheral blood and low expression in brain, skeletal muscle and spleen. Expressed also on Th2- and Tc2- type cells, eosinophils and basophils.

Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) - Protocols

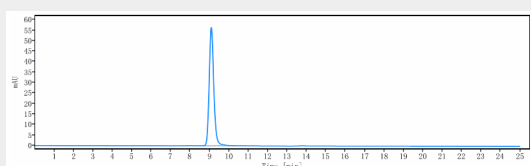
Provided below are standard protocols that you may find useful for product applications.

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

Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) - Images



Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-GPR44 / PTGDR2 / CD294 Reference Antibody (KHK patent anti-CRTH2) is more than 95%, determined by SEC-HPLC.