10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CCR3 Rabbit Monoclonal Antibody

Catalog # ABO13390

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P51677
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-CCR3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

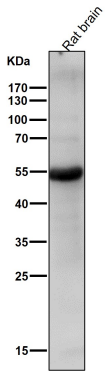
Gene ID	1232
Other Names	C-C chemokine receptor type 3, C C CKR3, C-C CKR-3, CC-CKR-3, CCR-3, CCR3, CKR 3, CKR3, Eosinophil eotaxin receptor, CD193, CCR3, CMKBR3
Calculated MW	41044
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	In eosinophils as well as trace amounts in neutrophils and monocytes.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ECE-3
Immunogen	A synthesized peptide derived from human CCR3
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

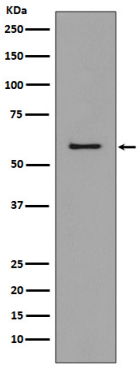
Name	CCR3

Synonyms	CMKBR3
Function	G protein-coupled receptor (GPCR) that plays a key role in the immune system by regulating the migration and activation of white blood cells in response to chemokines (PubMed:28994588). Selectively interacts with eosinophil-attracting chemokines such as eotaxin/CCL11, eotaxin-2/CCL24 and eotaxin-3/CCL26 (PubMed:7622448, PubMed:8642344, PubMed:8676064). Ligand binding triggers intracellular signaling that leads to chemotaxis of immune cells. Mechanistically, signals through GNA14 or GNA16 to induce stimulation of phospholipase Cbeta/PLCB2 and subsequently chemotaxis (PubMed:18406577). Alternatively, transduces signal via GNAI1 resulting in elevated intracellular calcium levels and activation of the PI3K/AKT pathway (PubMed:8676064, PubMed:35570218). May also act as a possible functional receptor for NARS1 (PubMed:30171954).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	In eosinophils as well as trace amounts in neutrophils and monocytes.

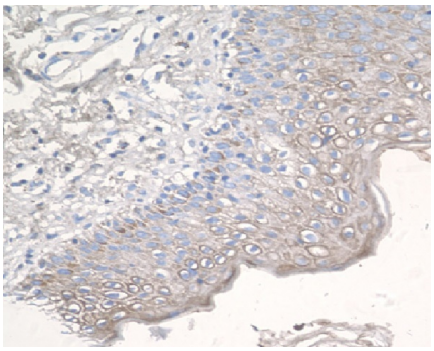
Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of CCR3 expression in K562 cell lysate.



Immunohistochemical analysis of paraffin-embedded human epidemal cells of skin, using CCR3 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.