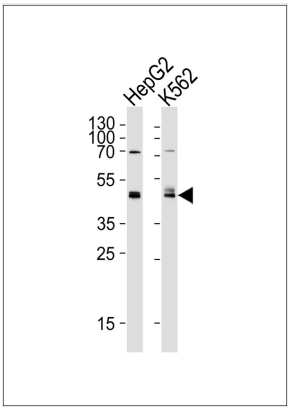
ACKR4 Antibody – Rabbit Polyclonal

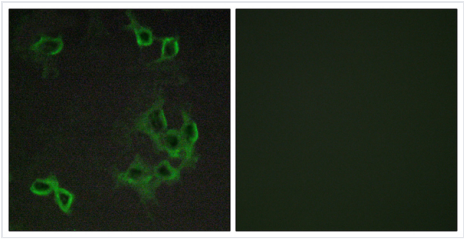
PRODUCT OVERVIEW

Product Name	CCRL1 (ACKR4), Polyclonal Antibody
Full Product Name	CCRL1 Antibody
Product Gene Name	anti-ACKR4 antibody
Product Synonym Names	Atypical chemokine receptor 4; C-C chemokine receptor type 11; C-C CKR-11; CC-CKR-11; CCR-11; CC chemokine receptor-like 1; CCRL1; CCX CKR; ACKR4; CCBP2; CCR11; CCRL1; VSHK1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, mouse
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Preparation and Storage	-20 degree C
Molecular Weight	40 kDa
Immunogen Sequence Positions	28-56
OMIM	606065
3D Structure	ModBase 3D Structure for Q9NPB9
Antigen Type	Synthetic Peptide
Cellular Location	Early endosome. Recycling endosome. Cell membrane; Multi-pass membrane protein. Note=Predominantly localizes to endocytic vesicles, and upon stimulation by the ligand is internalized via caveolae. Once internalized, the ligand dissociates from the receptor, and is targeted to degradation while the receptor is recycled back to the cell membrane
Tissue Location	Predominantly expressed in heart. Lower expression in lung, pancreas, spleen, colon, skeletal muscle and small intestine.
Product Categories/Family for anti-ACKR4 antibody	Immunology
Applications Tested/Suitable for anti-ACKR4 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-ACKR4 antibody	WB~~ 1:500 IF~~1:100
Related Product Information for anti-ACKR4 antibody	Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Acts as a receptor for chemokines CCL2, CCL8, CCL13, CCL19, CCL21 and CCL25. Chemokine-binding does not activate G-protein-mediated signal transduction but instead induces beta-arrestin recruitment, leading to ligand internalization. Plays an important role in controlling the migration of immune and cancer cells that express chemokine receptors CCR7 and CCR9, by reducing the availability of CCL19, CCL21, and CCL25 through internalization. Negatively regulates CXCR3-induced chemotaxis. Regulates T-cell development in the thymus.

Product References and Citations for anti-ACKR4 antibody	Khoja H.,et al.Gene 246:229-238(2000). Schweickart V.L.,et al.J. Biol. Chem. 275:9550-9556(2000). Gosling J.,et al.J. Immunol. 164:2851-2856(2000). Kopatz S.A.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004).
Other Notes	Small volumes of anti-ACKR4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ACKR4 purchase	MBS9207780 is an antibody targeting ACKR4. Also known as CCRL1 Antibody. Reactive in Human, mouse. Host: Rabbit.



Western Blot (WB) of anti-ACKR4 antibody
Western blot analysis of lysates from HepG2,K562 cell line (from left to right),using CCRL1 Antibody(MBS9207780). MBS9207780 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.



Immunofluorescence (IF) of anti-ACKR4 antibody
Immunofluorescence analysis of COS-7 cells, using CCRL1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACKR4. It may not necessarily be applicable to this product.

NCBI GI #	7706769
NCBI GeneID	51554
NCBI Accession #	NP_057641.1
UniProt Primary Accession #	Q9NPB9
UniProt Secondary Accession #	B2R9U7
UniProt Related Accession #	Q9NPB9
GenBank Nucleotide #	NM_016557.3
NCBI Official Full Name	atypical chemokine receptor 4
NCBI Official Synonym Full Names	atypical chemokine receptor 4
NCBI Official Symbol	ACKR4
NCBI Official Synonym Symbols	PPR1; CCBP2; CCR10; CCR11; CCRL1; VSHK1; CCR-11; CKR-11; CCX CKR; CCX-CKR; CC-CKR-11
UniProt Protein Name	Atypical chemokine receptor 4
UniProt Synonym Protein Names	C-C chemokine receptor type 11; C-C CKR-11; CC-CKR-11; CCR-11; CC chemokine receptor-like 1; CCRL1; CCX CKR
Protein Family	Atypical chemokine receptor
UniProt Gene Name	ACKR4

UniProt Synonym Gene Names	CCBP2; CCR11; CCRL1; VSHK1; C-C CKR-11; CC-CKR-11; CCR-11; CCRL1
UniProt Entry Name	ACKR4_HUMAN
NCBI Protein Information	atypical chemokine receptor 4
NCBI Summary for ACKR4	The protein encoded by this gene is a member of the G protein-coupled receptor family, and is a receptor for C-C type chemokines. This receptor has been shown to bind dendritic cell- and T cell-activated chemokines including CCL19/ELC, CCL21/SLC, and CCL25/TECK. A pseudogene of this gene is found on chromosome 6. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2013]
UniProt Comments for ACKR4	CCRL1: Receptor for CCL2, CCL8, CCL13, CCL19, CCL21 and CCL25. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; GPCR, family 1; Receptor, GPCR; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q22 Cellular Component: recycling endosome; integral to plasma membrane; early endosome; plasma membrane Molecular Function: protein binding; chemokine binding; chemokine receptor activity; scavenger receptor activity Biological Process: receptor-mediated endocytosis; G-protein coupled receptor protein signaling pathway; immune response; chemotaxis
Research Articles on ACKR4	**1.** we found that CCX-CKR expression in vitro could modulate cellular migration and invasion abilities, potentially via the regulation of other chemotactic factors/receptors.
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