Rabbit ACKR3 / CXCR7 / RDC1 Polyclonal Antibody | anti-ACKR3 antibody

Rabbit Polyclonal to Human ACKR3 / CXCR7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51710	**Rabbit**	**Bat, Gibbon, Bovine, Dog, Gorilla, Hamster, Horse, Human, Mouse, Pig, Rabbit, RatPredicted Reactivity: Monkey (at least 90% immunogen sequence identity)**	**Flow Cytometry, Functional Assay, Immunohistochemistry**

PRODUCT SYNONYMS

ACKR3 / CXCR7 / RDC1; Polyclonal Antibody; Rabbit Polyclonal to Human ACKR3 / CXCR7; Anti-ACKR3 / CXCR7 / RDC1 Antibody (Extracellular Domain) IHC-plus; ACKR3; Chemokine orphan receptor 1; CMKOR1; CXCR7; CXC-R7; GPRN1; RDC1; RDC-1; CXCR-7; G-protein coupled receptor 159; GPR159; Human ACKR3; anti-ACKR3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Bovine, Dog, Gorilla, Hamster, Horse, Human, Mouse, Pig, Rabbit, Rat **Predicted Reactivity:** Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human CXCR7. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	362
Applicable Applications for anti-ACKR3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 19 amino acid peptide from 2nd extracellular domain of human CXCR7. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Bovine, Bat, Dog, Hamster, Panda, Horse, Rabbit, Pig (100%).
Immunogen Type	Synthetic peptide
Immunogen	ACKR3 / CXCR7 antibody was raised against synthetic 19 amino acid peptide from 2nd extracellular domain of human CXCR7. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Bovine, Bat, Dog, Hamster, Panda, Horse, Rabbit, Pig (100%); Marmoset, Elephant (95%); Opossum, Platypus (84%).
Antigen Modification	Extracellular Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES

IHC (Immunohistochemisry)
Anti-ACKR3 / CXCR7 / RDC1 antibody IHC of human Pancreas, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

IHC (Immunohiostchemistry)
Anti-ACKR3 / CXCR7 / RDC1 antibody IHC of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

IHC (Immunohistochemistry)
Anti-CXCR7 antibody IHC of human kidney, renal tubule. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-ACKR3 antibody	RDC1 was originally considered to be an Adrenomedullin receptor that binds calcitonin gene-related peptide (CGRP) and adrenomedullin. RDC1 and GPRN1 represent two tissue-specific subtypes of the same 60-kD receptor. RDC1 has the structural characteristics of a chemokine receptor. Recently it has been shown that RDC1 binds to the chemokine CXCL12 and should be considered to be a chemokine receptor.
Product Categories/Family for anti-ACKR3 antibody	Family: GPCR; Subfamily: Chemokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	31083344
NCBI GeneID	57007
NCBI Accession #	NP_064707.1
NCBI GenBank Nucleotide #	NM_020311.2
UniProt Accession #	P25106; Q53RV4; Q8NE10; Q92938; Q92986; A8K6J4
Molecular Weight	41,493 Da
NCBI Official Full Name	atypical chemokine receptor 3
NCBI Official Synonym Full Names	atypical chemokine receptor 3
NCBI Official Symbol	ACKR3
NCBI Official Synonym Symbols	RDC1; CXCR7; RDC-1; CMKOR1; CXC-R7; CXCR-7; GPR159
NCBI Protein Information	atypical chemokine receptor 3; G protein-coupled receptor; chemokine orphan receptor 1; G-protein coupled receptor 159; C-X-C chemokine receptor type 7; chemokine (C-X-C motif) receptor 7; G-protein coupled receptor RDC1 homolog
UniProt Protein Name	Atypical chemokine receptor 3
UniProt Gene Name	**ACKR3**
UniProt Synonym Gene Names	CMKOR1; CXCR7; GPR159; RDC1; CXC-R7; CXCR-7; RDC-1
UniProt Entry Name	ACKR3_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.