

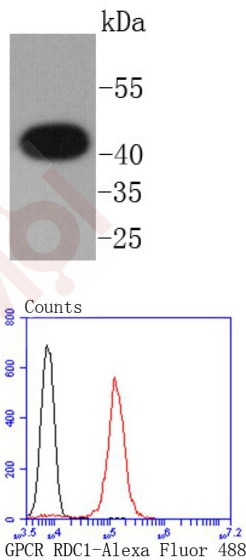
Anti-GPCR RDC1 Antibody (1C445)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 41 kDa.
Clone:	1C445
Purification:	ProA affinity purified

Applications

- Verified Activity:
1. Western blot analysis of GPCR RDC1 on PC-3M cells lysates using anti-GPCR RDC1 antibody at 1/1,000 dilution.
 2. Flow cytometric analysis of Jurkat cells with GPCR RDC1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



Application:	FCM,WB
Recommended	WB: 1:1000-5000; FCM: 1:10-100

Properties

- Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
- Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P25106
Synonyms:	G-protein coupled receptor RDC1 homolog;CXCR7_HUMAN;ACKR3;Chemokine C X C motif receptor 7;atypical chemokine receptor 3;CXCR-7;CXCR7;CXCR-7;G protein coupled receptor; CXCR 7;C X C chemokine receptor type 7;C-X-C chemokine receptor type 7;GPCR RDC 1;GPRN1;G protein coupled receptor RDC1 homolog;RDC-1;RDC1;Chemokine orphan receptor 1;GPR159; CXCR 7;CMKOR1;RDC 1;G-protein coupled receptor 159;G protein coupled receptor 159; Chemokine (C-X-C motif) receptor 7

Research Background

Members of the C-X-C or α chemokine family are characterized by a pair of cysteine residues separated by a single amino acid and primarily function as chemoattractants for neutrophils. The C-X-C family includes IL-8, NAP-2, MSGA and stromal cell derived factor-1 (SDF-1). Receptors for the C-X-C family are G protein-coupled, seven pass transmembrane domain proteins and include proteins such as IL-8RA, IL-8RB, CXCR-3 and fusin (also designated LESTR or CXCR-4). C-X-C chemokine receptor type 7 (CXCR-7), also known as RDC-1, is a 362 amino acid receptor for SDF-1. Initially identified as a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor. CXCR-7, with CSCR-4, also acts as a coreceptor for human immunodeficiency viruses (HIV). Highly expressed in monocytes, B-cells and basophils, and highly active in various biological processes, including cell growth, cell adhesion and tumor growth, CXCR-7 may play a role in tumorigenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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