

For Research Use Only

CXCR4/CD184 Polyclonal antibody

Catalog Number: 33828-1-AP

1 Publications



Basic Information

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|---|---|--|
| Catalog Number: 33828-1-AP | GenBank Accession Number: BC020968 | Purification Method: Antigen affinity Purification |
| Size: 150ul , Concentration: 490 ug/ml by Nanodrop; | GeneID (NCBI): 7852 | Recommended Dilutions: WB: 1:500-1:2000 |
| Source: Rabbit | UNIPROT ID: P61073 | |
| Isotype: IgG | Full Name: chemokine (C-X-C motif) receptor 4 | |
| Immunogen Catalog Number: AG40645 | Calculated MW: 352 aa, 40 kDa | |
| | Observed MW: 70 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : mouse brain tissue, mouse spleen tissue, rat brain tissue, rat spleen tissue |
| Cited Applications: WB, IF | |
| Species Specificity: human, mouse, rat | |
| Cited Species: rabbit | |

Background Information

C-X-C chemokine receptor type 4 (CXCR4) is a widely expressed G protein-coupled seven-transmembrane receptor. CXCL12/SDF-1 is the biological ligand for CXCR4. The binding of CXCL12 to CXCR4 induces intracellular signaling through several divergent pathways initiating signals related to chemotaxis, cell survival and/or proliferation, increase in intracellular calcium, and gene transcription (PMID: 20484021). CXCR4 also functions as a coreceptor for HIV-1 entry (PMID: 9427609). CXCR4 has a calculated molecular weight of 40 kDa. In addition to the predicted species of 45-47 kDa for glycosylated CXCR4 monomers, due to ubiquitination, dimeration, and different degrees of glycosylation, additional species can also exist and have been reported in some research, including 67 kDa (PMID: 23917520), 55, 67, 87 kDa (PMID: 20028517), 80 kDa (PMID: 10506573), 47, 50, 62, and 98 kDa (PMID: 16204649).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|-------------|-------------|
| Zhiyuan Bao | 40211853 | Anim Biosci | IF, WB |

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

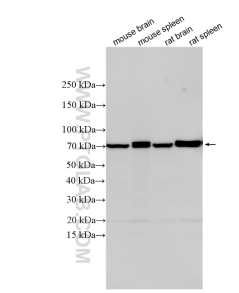
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33828-1-AP (CXC4/CD184 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.