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CXCR1 Rabbit pAb

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Catalog # AP52172

Product Information

Application	WB
Primary Accession	P25024
Reactivity	Human
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39791
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CXCR1
Epitope Specificity	186-280/350
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3577
Other Names	C-X-C chemokine receptor type 1, CXC-R1, CXCR-1, CDw128a, High affinity interleukin-8 receptor A, IL-8R A, IL-8 receptor type 1, CD181, CXCR1, CMKAR1, IL8RA
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CXCR1
Synonyms	CMKAR1, IL8RA
Function	Receptor to interleukin-8, which is a powerful neutrophils chemotactic factor (PubMed:1840701). Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G- protein that activates a phosphatidylinositol-calcium second messenger system (PubMed:8662698).
Cellular Location	Cell membrane; Multi-pass membrane protein.

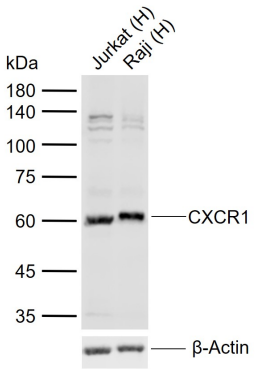
Background

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References

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Cerretti D.P.,et al.Mol. Immunol. 30:359-367(1993).
Mollereau C.,et al.Genomics 16:248-251(1993).
Ahuja S.K.,et al.J. Biol. Chem. 269:26381-26389(1994).
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Images



Sample:
Lane 1: Human Jurkat cell lysates
Lane 2: Human Raji cell lysates
Primary: Anti-CXCR1 (AP52172) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kDa
Observed band size: 61 kDa

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