

Datasheet for ABIN2774605

anti-CXCL12 antibody (Middle Region)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µL
Target:	CXCL12
Binding Specificity:	Middle Region
Reactivity:	Rat, Dog, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCL12 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CXCL12
Sequence:	VKHLKILNTP NCALQIVARL KNNNRQVCID PKLKWIQEYL EKALNKRFKM
Predicted Reactivity:	Cow: 90%, Dog: 100%, Pig: 100%, Rat: 90%
Characteristics:	This is a rabbit polyclonal antibody against CXCL12. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CXCL12
Alternative Name:	CXCL12 (CXCL12 Products)

Target Details

Background:	Stromal cell-derived factors 1-alpha and 1-beta are small cytokines that belong to the intercrine family, members of which activate leukocytes and are often induced by proinflammatory stimuli such as lipopolysaccharide, TNF, or IL1. The intercrines are characterized by the presence of 4 conserved cysteines which form 2 disulfide bonds. They can be classified into 2 subfamilies. In the CC subfamily, which includes beta chemokine, the cysteine residues are adjacent to each other. In the CXC subfamily, which includes alpha chemokine, they are separated by an intervening amino acid. The SDF1 proteins belong to the latter group. Alias Symbols: IRH, PBSF, SDF1, TLSF, SDF1A, SDF1B, TPAR1, SCYB12 Protein Interaction Partner: DAZAP2, CXCR4, CXCL12, DPP4, CD4, FN1, ELANE, MMP2, CTSG, VCAN, PF4, Protein Size: 93
Molecular Weight:	11 kDa
Gene ID:	6387
NCBI Accession:	NM_000609 , NP_000600
UniProt:	P48061
Pathways:	Regulation of Cell Size , CXCR4-mediated Signaling Events , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 93 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

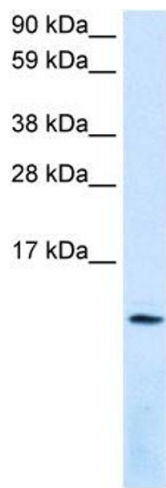
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Yin, Seeberger: "Applications of heparin and heparan sulfate microarrays." in: Methods in enzymology , Vol. 478, pp. 197-218, (2010) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-CXCL12 Antibody Titration:
0.2-1 ug/ml Positive Control: Human Lung