

Datasheet for ABIN6991936
anti-CXCL12 antibody



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Overview

Quantity:	0.1 mg
Target:	CXCL12
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCL12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	CXCL12 antibody was raised against a 16 amino acid peptide near the center of human CXCL12 . The immunogen is located within the last 50 amino acids of CXCL12.
Isotype:	IgG
Specificity:	CXCL12 antibody is human and mouse reactive. Multiple isoforms of CXCL12 are known to exist.
Purification:	CXCL12 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CXCL12
Alternative Name:	CXCL12 (CXCL12 Products)
Background:	The CXCL12 protein, also known as SDF1, is a stromal cell-derived alpha chemokine member of the intercrine family. CXCL12 functions as the ligand for the G-protein coupled receptor,

Target Details

	chemokine (C-X-C motif) receptor 4 (CXCR4) and CXCR7, and plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis (reviewed in 1). Mutations in this gene are associated with resistance to human immunodeficiency virus type 1 infections (2).
Molecular Weight:	Predicted: 15 kDa Observed: 18 kDa
Gene ID:	6387
NCBI Accession:	NP_001171605
UniProt:	P48061
Pathways:	Regulation of Cell Size , CXCR4-mediated Signaling Events , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	CXCL12 antibody can be used for detection of CXCL12 by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunocytochemistry starting at 5 µg/mL. Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CXCL12 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	CXCL12 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.