

Datasheet for ABIN926925

anti-CXCL12 antibody (Middle Region)



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1 Image

Overview

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

Product Details

Immunogen:	CXCL12 antibody was raised in rabbit using the middle region of CXCL12 as the immunogen
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Frog, Pig (Porcine), Dog (Canine), Chicken, Cow (Bovine)
Purification:	Purified

Target Details

Target:	CXCL12
Alternative Name:	CXCL12
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

Target Details

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.

Synonyms: Polyclonal CXCL12 antibody, Anti-CXCL12 antibody, chemokine, C-X-C motif ligand 12, stromal cell-derived factor 1 antibody.

Pathways: [Regulation of Cell Size](#), [CXCR4-mediated Signaling Events](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: WB: 0.2-1 µg/mL

Optimal conditions should be determined by the investigator.

Comment: CXCL12 Blocking Peptide, , is also available for use as a blocking control in assays to test for specificity of this CXCL12 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

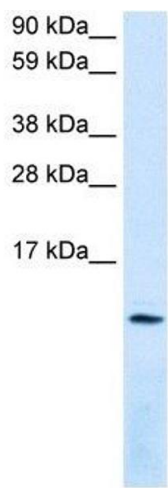
Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. CXCL12 antibody (70R-10501) used at 0.2-1 ug/ml to detect target protein.