

Datasheet for ABIN465528
anti-CXCL12 antibody (Biotin)



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Overview

Quantity:	50 µg
Target:	CXCL12
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CXCL12 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	E.coli derived recombinant Human SDF-1beta.
	Type of Immunogen: Cell extract
Specificity:	Human SDF-1beta
Purification:	Immunoaffinity purified

Target Details

Target:	CXCL12
Alternative Name:	SDF-1 / CXCL12 (CXCL12 Products)
Background:	Name/Gene ID: CXCL12 Subfamily: Interocrine alpha Family: Interocrine

Target Details

Synonyms: CXCL12, C-X-C motif chemokine 12, HIRH, IRH, SDF-1, SDF-1b, SDF1A, SDF1B, TPAR1, TLSF-a, TLSF-b, SDF-1a, SDF1, Sdf1alpha, Stromal cell-derived factor 1, TLSF, HSDF-1, PBSF, SCYB12

Gene ID:	6387
UniProt:	P48061
Pathways:	Regulation of Cell Size , CXCR4-mediated Signaling Events , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Approved: ELISA (1 µg/mL), WB (0.1 - 0.2 µg/mL) Usage: The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested. ELISA: To detect Human SDF-1beta by direct ELISA (using 100 µL/well antibody solution) a concentration of 0.25-1 µg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human SDF-1beta. To detect Human SDF-1beta by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.25-1 µg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with Polyclonal Anti-Human SDF-1beta (LS-C104733) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human SDF-1beta. Western Blot: To detect Human SDF-1beta by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Human SDF-1beta is 1.5-3 ng/lane, under either reducing or non-reducing conditions.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Sterile PBS containing 0.1 % BSA
Concentration:	Lot specific

Handling

Buffer:	Lyophilized from PBS, pH 7.2
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Store Lyophilized at room temperature up to 1 month Reconstituted for up to 2 weeks at 2-8°C. Aliquot and freeze at -20°C for long term storage. Avoid freeze/thaw cycles.