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## Datasheet for ABIN640076 **anti-SDF1 beta antibody**

### Overview

Quantity:	0.1 mg
Target:	SDF1 beta (SDF1b)
Reactivity:	Human
Host:	Goat
Conjugate:	This SDF1 beta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Recombinant human SDF-1 beta.
Isotype:	IgG
Specificity:	<p>DS-PB-01781 recognizes human SDF-1 beta, otherwise known as CXCL12b, a 72 amino acid stromal cell derived CXC chemokine, which arises from alternative splicing of the SDF-1 gene. The two isoforms, SDF-1 alpha and SDF-1 beta, share an identical amino acid sequence, except for an additional four residues in the C-terminal region of the beta isoform. SDF-1 binds with high-affinity to the G protein-coupled receptor CXCR4 (fusin) and acts as a chemoattractant for T and B lymphocytes, monocytes and migratory neurons, and is a vital factor in haematopoiesis and angiogenesis. By competitively binding to CXCR4, SDF-1 acts as an inhibitor for the CXCR4-mediated entry of HIV-1 virus into target T-cells, and the SDF-1-CXCR4 interaction is important for the regulation of trafficking of normal and malignant stem cells.</p>
Characteristics:	Goat Anti-Human SDF-1 beta
Purification:	Purified

## Target Details

Target:	SDF1 beta (SDF1b)
Alternative Name:	SDF1 beta ( <a href="#">SDF1b Products</a> )
Background:	Synonyms: SDF1, SDF1A, SDF1B

## Application Details

Restrictions:	For Research Use only
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## Handling

Reconstitution:	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended.
Concentration:	IgG concentration 1.0 mg/ml
Buffer:	Phosphate buffered saline pH7.4
Storage:	4 °C