

## Cxcl12

### Rabbit Anti-Mouse SDF-1 alpha/CXCL12 pAb

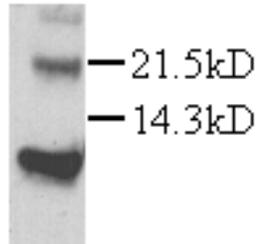
<b>Catalog No.</b>	CPS000	<b>Quantity:</b>	200 µg
<b>Alternate Names:</b>	Pre-B-cell Growth Stimulating Factor, PBSF, Stromal Cell-Derived Factor 1 alpha, SDF-1a, SDF1A, SDF1, SCYB12, TLSF, TPAR1		
<b>Description:</b>	The rabbit polyclonal antibody recognizes mouse SDF-1 $\alpha$ (stromal cell-derived factor- $\alpha$ ), also known as pre-B-cell growth stimulating factor (PBSF). SDF-1 $\alpha$ is a 70-amino acid CXC chemokine originally cloned from a bone marrow stromal cell line. Targeted deletion of SDF-1 gene resulted in defects of B-cell lymphopoiesis and bone marrow myelopoiesis. SDF-1 has been shown to be chemotactic for lymphocytes. In addition, SDF-1 was recently reported to be a ligand for CXCR4 (LESTR/fusin), a co-receptor for HIV-1 entry into T cells. SDF-1 binding to CXCR4 inhibits HIV-1 entry.		
<b>Gene ID:</b>	6387		
<b>UniProtKB:</b>	P48061		
<b>Conjugate:</b>	Unconjugated		
<b>Specificity:</b>	Mouse SDF-1 $\alpha$		
<b>Host:</b>	Rabbit		
<b>Immunogen:</b>	<i>E. coli</i> -expressed mouse SDF-1 $\alpha$		
<b>Isotype:</b>	IgG		
<b>Formulation:</b>	Lyophilized with 0.05% sodium azide.		
<b>Purification:</b>	Protein A purified		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add 200 µL sterile distilled water to the vial to fully solubilize the antibody to a concentration of 1.0 mg/mL.		
<b>Cross-Reactivity:</b>	React with both mouse and rat SDF-1 $\alpha$		
<b>Applications:</b>	Western blot, Immunohistochemistry		
<b>Application Notes:</b>	<b>Western Blot:</b> working dilution of 1:1,000. <b>Immunohistochemistry:</b> working dilution of 1:100-1:500. The optimal concentration should be determined by the user for each application.		
<b>Storage &amp; Stability:</b>	Store at 4 °C for short term or in working aliquots at -20 °C for long term storage. <b>Avoid repeated freeze-thaw cycles.</b>		



**Statement:**

PPE is recommended when working with products containing sodium azide

Detection of mouse recombinant SDF-1 $\alpha$  by Western Blot



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