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CXCL16 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20991a

Product Information

Application	WB, E
Primary Accession	Q9H2A7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50788
Calculated MW	27579

Additional Information

Gene ID	58191
Other Names	C-X-C motif chemokine 16, Scavenger receptor for phosphatidylserine and oxidized low density lipoprotein, SR-PSOX, Small-inducible cytokine B16, Transmembrane chemokine CXCL16, CXCL16, SCYB16, SRPSOX
Target/Specificity	This CXCL16 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 150-183 amino acids from the Central region of human CXCL16.
Dilution	WB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CXCL16 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CXCL16
Synonyms	SCYB16, SRPSOX
Function	Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in

	pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Secreted. Note=Also exists as a soluble form
Tissue Location	Expressed in T-cell areas. Expressed in spleen, lymph nodes, lung, kidney, small intestine and thymus. Weak expression in heart and liver and no expression in brain and bone marrow

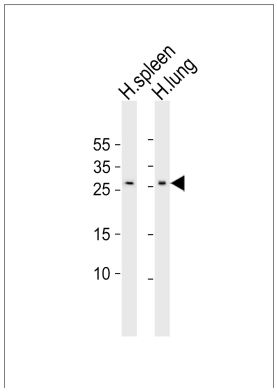
Background

Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.

References

Matloubian M.,et al.Nat. Immunol. 1:298-304(2000).
Wilbanks A.,et al.J. Immunol. 166:5145-5154(2001).
Shimaoka T.,et al.J. Biol. Chem. 275:40663-40666(2000).
Livingston R.J.,et al.Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

Images



Western blot analysis of lysates from human spleen, human lung tissue lysate (from left to right), using CXCL16 Antibody (Center)(Cat. #AP20991a). AP20991a was diluted at 1:500 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.