

Anti-CXCL16 Antibody

Catalog # ABO10779

Product Information

Application	WB, IHC-P
Primary Accession	Q8BSU2
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for C-X-C motif chemokine 16(CXCL16) detection. Tested with WB, IHC-P in Mouse.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	66102
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, Srpsox
Calculated MW	26896
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Mouse
Subcellular Localization	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	Widely expressed. Not detected in purified B- and T-cells. .
Source	Eukaryota
Protein Name	C-X-C motif chemokine 16
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse CXCL16(103-116aa HGKSFHHQKHLPGA).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

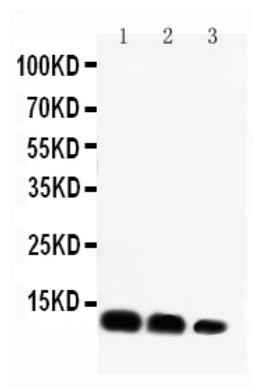
Protein Information

Name	Cxcl16
Synonyms	Srpsox
Function	Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo. Also 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.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed. Not detected in purified B- and T-cells.

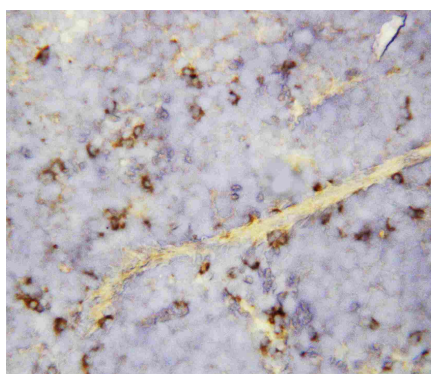
Background

CXCL16, Chemokine(C-X-C motif) ligand 16, is a small cytokine belonging to the CXC chemokine family. Larger than other chemokines (with 254 amino acids), CXCL16 is composed of a CXC chemokine domain, a mucin-like stalk, a transmembrane domain and a cytoplasmic tail containing a potential tyrosine phosphorylation site that may bind SH2. By somatic cell hybrid analysis, the CXCL16 gene is mapped to 17p13, a locus separate from all other known chemokines. Chemotaxis assays found that CXCL16 induced a strong chemotactic response in activated CD8 T cells. In addition, CXCL16 induced calcium mobilization.

Images



Anti-CXCL16 antibody, ABO10779, Western blotting
Lane 1: Recombinant Mouse CXCL16 Protein 10ng
Lane 2: Recombinant Mouse CXCL16 Protein 5ng
Lane 3: Recombinant Mouse CXCL16 Protein 2.5ng



Anti-CXCL16 antibody, ABO10779, IHC(P)
IHC(P): Mouse Spleen Tissue

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