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Tel: 858.875.1900 Fax: 858.875.1999

Anti-CXCL16 Picoband Antibody

Catalog # ABO11672

Specification

Anti-CXCL16 Picoband Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9H2A7
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for C-X-C motif chemokine 16(CXCL16) detection. Tested with WB, ELISA in Human.

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

Anti-CXCL16 Picoband Antibody - 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

Calculated MW
27579 MW KDa

Application Details
ELISA , 0.1-0.5 µg/ml, Human, -
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cell membrane ; Single-pass type I membrane protein . Secreted. Also exists as a soluble form.

Tissue Specificity
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.

Protein Name
C-X-C motif chemokine 16

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived human CXCL16 recombinant protein (Position: N30-A196). Human CXCL16 shares 47% and 45.7% amino acid (aa) sequence identity with mouse and rat CXCL16, respectively.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, 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.**

Anti-CXCL16 Picoband Antibody - 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

Anti-CXCL16 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CXCL16 Picoband Antibody - Images

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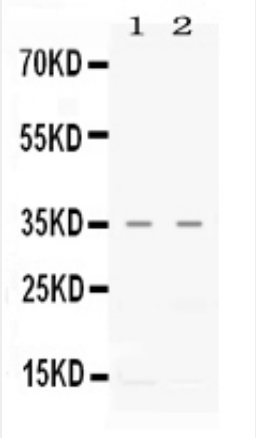

Western blot analysis of CXCL16 expression in CEM whole cell lysates (lane 1) and A549 whole cell lysates (lane 2). CXCL16 at 35KD was detected using rabbit anti- CXCL16 Antigen Affinity purified polyclonal antibody (Catalog # ABO11672) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-CXCL16 Picoband Antibody - 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.