

**Anti-CXCL16 Picoband Antibody**  
Catalog # ABO11672**Specification**

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**Anti-CXCL16 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9H2A7</a>
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, -<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**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

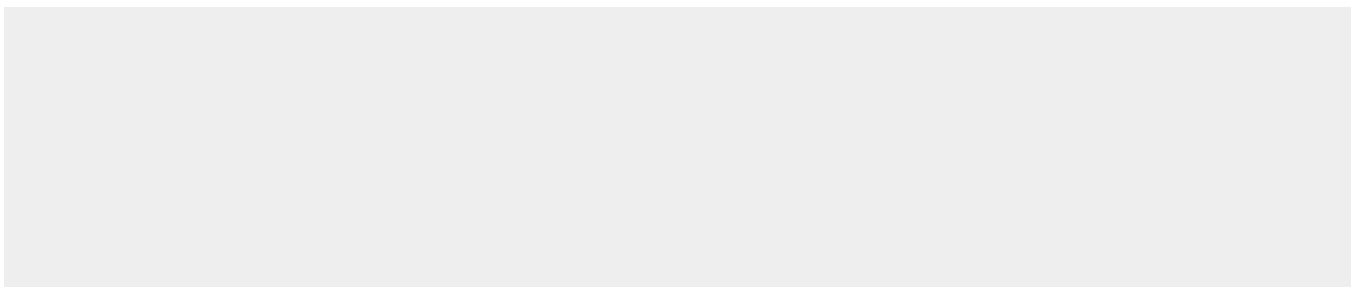
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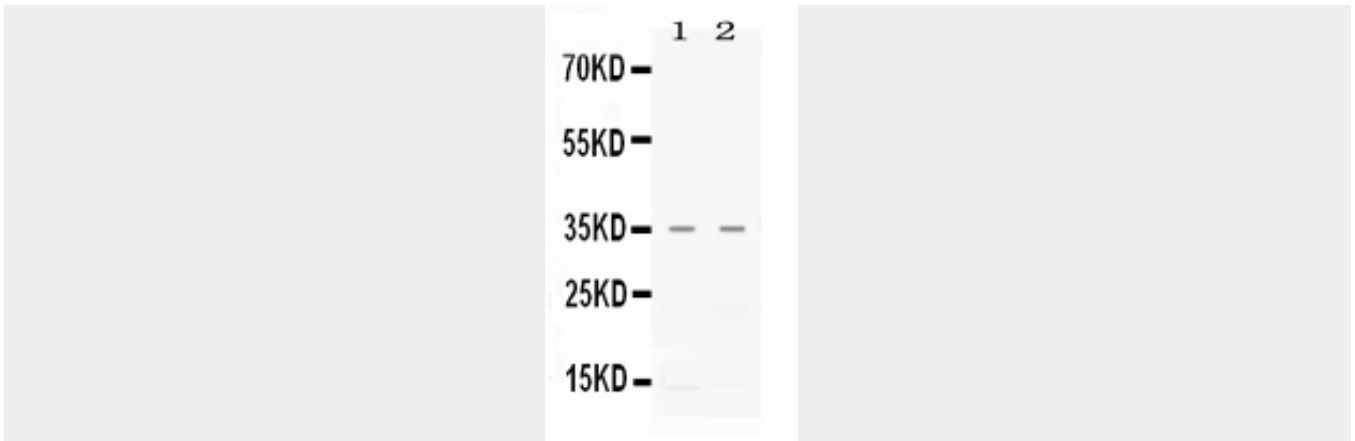
## Anti-CXCL16 Picoband Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-CXCL16 Picoband Antibody - Images





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  $\mu$ 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.