

# CXCL16 Polyclonal antibody

Catalog Number: 29589-1-AP

## Basic Information

**Catalog Number:**

29589-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG30981

**GenBank Accession Number:**

BC017588

**GeneID (NCBI):**

58191

**UNIPROT ID:**

Q9H2A7

**Full Name:**

chemokine (C-X-C motif) ligand 16

**Calculated MW:**

273 aa, 30 kDa

**Observed MW:**

28 kDa, 50-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB : HeLa cells, HepG2 cells, SH-SY5Y cells

## Background Information

CXCL16 was discovered as a ligand for CXC chemokine receptor (CXCR) 6. CXCL16 is a membrane-bound chemokine that consists of four distinct domains: the chemokine domain, mucin-like domain, transmembrane domain and ad cytoplasmic. After cleavage, soluble CXCL16 acts as a chemoattractant for activated CD8 T cells, NKT cells and Th1-polarized T cells that express CXCR6. CXCL16 expression has been studied mainly in macrophages and dendritic cells. CXCL16 production by non-immune cells remains controversial. CXCL16 was expressed as two different forms: a 50 kDa form and a 28 kDa form, and the 50 kDa may be the glycosylated form (PMID: 17855433, 33552057). (PMID: 17855433, 33552057).

## Storage

**Storage:**

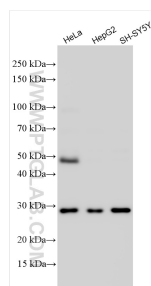
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29589-1-AP (CXCL16 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.