# POM121L12 (P-18): sc-248287



The Power to Question

## **BACKGROUND**

POM121L12 (POM121 membrane glycoprotein-like 12), also known as POM121-like protein 12, is a 296 amino acid protein that belongs to the POM121 family. The gene that encodes POM121L12 maps to human chromosome 7p12.1. Chromosome 7 is approximately 158 million bases long, encodes over 1,000 genes and makes up approximately 5% of the human genome. Chromosome 7 is linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome. Deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, unusual friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also linked to myeloid disorders, including acute myelogenous leukemia and myelodysplasia.

## **REFERENCES**

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# CHROMOSOMAL LOCATION

Genetic locus: POM121L12 (human) mapping to 7p12.1.

## SOURCE

POM121L12 (P-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of POM121L12 of human origin.

### **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-248287 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **APPLICATIONS**

POM121L12 (P-18) is recommended for detection of POM121L12 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for POM121L12 siRNA (h): sc-89476, POM121L12 shRNA Plasmid (h): sc-89476-SH and POM121L12 shRNA (h) Lentiviral Particles: sc-89476-V.

Molecular Weight of POM121L12: 32 kDa.

#### **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

# **STORAGE**

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

## **PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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