# Lipocalin-9 (L-12): sc-107695



The Power to Question

# **BACKGROUND**

Lipocalin-9, also known as LCN9, is a 190 amino acid secreted protein that belongs to the Lipocalin family and is encoded by a gene which maps to human chromosome 9. Chromosome 9 contains 145 million base pairs and comprises 4% of the human genome, encoding nearly 900 genes. Hereditary hemorrhagic telangiectasia and Familial dysautonomia are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in translocations that lead to the aberrant production of a Bcr-Abl fusion protein often found in leukemias.

# **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: Lcn9 (mouse) mapping to 2 A3.

#### **RESEARCH USE**

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

#### **SOURCE**

Lipocalin-9 (L-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of Lipocalin-9 of mouse origin.

# **PRODUCT**

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

Blocking peptide available for competition studies, sc-107695 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

# **APPLICATIONS**

Lipocalin-9 (L-12) is recommended for detection of Lipocalin-9 of mouse 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); non cross-reactive with other Lipocalin family members.

Suitable for use as control antibody for Lipocalin-9 siRNA (m): sc-146753, Lipocalin-9 shRNA Plasmid (m): sc-146753-SH and Lipocalin-9 shRNA (m) Lentiviral Particles: sc-146753-V.

Molecular Weight of Lipocalin-9: 22 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.

# **PROTOCOLS**

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