# KNL2 (N-19): sc-162587



The Power to Question

## **BACKGROUND**

Chromosome 14 contains about 700 genes and 106 million base pairs and makes up about 3.5% of human cellular DNA. Chromosome 14 encodes the presinilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease. The SERPINA1 gene is located on chromosome 14 and when defective leads to the genetic disorder  $\alpha 1$ -antitrypsin deficiency. This disorder is characterized by severe lung complications and liver dysfunction. Notably, the immunoglobulin heavy chain locus is found on chromosome 14 and has been identified as a fusion with the chromosome 19 encoded protein Bcl-3 in the (14;19) translocations found in a variety of B cell malignancies. The KNL2 gene product has been provisionally designated KNL2 pending further characterization.

## **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: KNL2 (human) mapping to 14g21.2.

#### **RESEARCH USE**

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

#### **SOURCE**

KNL2 (N-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of KNL2 of human 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-162587 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-162587 X, 200  $\mu$ g/0.1 ml.

## **APPLICATIONS**

KNL2 (N-19) is recommended for detection of KNL2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], 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 KNL family members.

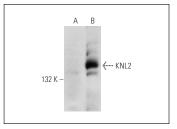
Suitable for use as control antibody for KNL2 siRNA (h): sc-92201, KNL2 shRNA Plasmid (h): sc-92201-SH and KNL2 shRNA (h) Lentiviral Particles: sc-92201-V.

KNL2 (N-19) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of KNL2: 130 kDa.

Positive Controls: KNL2 (h): 293T Lysate: sc-117006 or HeLa nuclear extract: sc-2120.

#### **DATA**



KNL2 (N-19): sc-162587. Western blot analysis of KNL2 expression in non-transfected: sc-117752 (A) and human KNL2 transfected: sc-117006 (B) 293T whole cell lysates.

#### **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.