

RSHL1 (N-12): sc-139047

BACKGROUND

RSHL1 (radial spoke head-like protein 1), also known as RSPH6A (radial spoke head protein 6 homolog A), is a 717 amino acid protein that belongs to the flagellar radial spoke RSP4/6 family. The gene encoding RSHL1 maps to human chromosome 19q13.32. Consisting of around 63 million bases with over 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families, and Fc α receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and Insulin-dependent diabetes have been linked to chromosome 19. Trans-locations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RSPH6A (human) mapping to 19q13.32.

SOURCE

RSHL1 (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of RSHL1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-139047 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

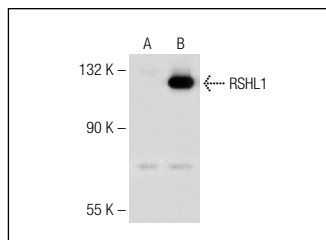
SHL1 (N-12) is recommended for detection of RSHL1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with RSHL3.

Suitable for use as control antibody for RSHL1 siRNA (h): sc-97641, RSHL1 shRNA Plasmid (h): sc-97641-SH and RSHL1 shRNA (h) Lentiviral Particles: sc-97641-V.

Molecular Weight of RSHL1: 81 kDa.

Positive Controls: RSHL1 (h): 293T Lysate: sc-129687.

DATA



RSHL1 (N-12): sc-139047. Western blot analysis of RSHL1 expression in non-transfected: sc-117752 (A) and human RSHL1 transfected: sc-129687 (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.

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.