

KIAA1958 (D-20): sc-247341

BACKGROUND

KIAA1958 is a 716 amino acid uncharacterized protein. Existing as 3 alternatively spliced isoforms, KIAA1958 is encoded by a gene that maps to human chromosome 9q32 and mouse chromosome 4 B3. Chromosome 9 houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

REFERENCES

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- Burmeister, T., et al. 2007. Atypical Bcr-Abl mRNA transcripts in adult acute lymphoblastic leukemia. *Haematologica* 92: 1699-1702.
- Cottin, V., et al. 2007. Pulmonary vascular manifestations of hereditary hemorrhagic telangiectasia (rendu-osler disease). *Respiration* 74: 361-378.
- Zeit, M.J., et al. 2009. Organization of the amplified type I interferon gene cluster and associated chromosome regions in the interphase nucleus of human osteosarcoma cells. *Chromosome Res.* 17: 305-319.
- Gold-von Simson, G., et al. 2009. Kinetin in familial dysautonomia carriers: implications for a new therapeutic strategy targeting mRNA splicing. *Pediatr. Res.* 65: 341-346.
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CHROMOSOMAL LOCATION

Genetic locus: KIAA1958 (human) mapping to 9q32; E130308A19Rik (mouse) mapping to 4 B3.

SOURCE

KIAA1958 (D-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of KIAA1958 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-247341 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

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.

APPLICATIONS

KIAA1958 (D-20) is recommended for detection of KIAA1958 of human origin and E130308A19Rik of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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).

KIAA1958 (D-20) is also recommended for detection of KIAA1958 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for KIAA1958 siRNA (h): sc-92483, KIAA1958 siRNA (m): sc-143239, KIAA1958 shRNA Plasmid (h): sc-92483-SH, KIAA1958 shRNA Plasmid (m): sc-143239-SH, KIAA1958 shRNA (h) Lentiviral Particles: sc-92483-V and KIAA1958 shRNA (h) Lentiviral Particles: sc-143239-V.

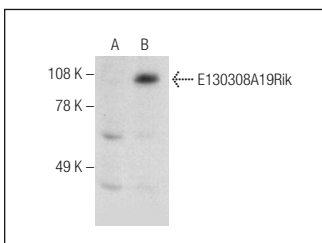
Molecular Weight of KIAA1958 isoforms 1/2: 79/82 kDa.

Positive Controls: E130308A19Rik (m): 293T Lysate: sc-125275.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



KIAA1958 (D-20): sc-247341. Western blot analysis of E130308A19Rik expression in non-transfected: sc-117752 (A) and mouse E130308A19Rik transfected: sc-125275 (B) 293T whole cell lysates.

RESEARCH USE

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