RAI16 (D-20): sc-82335



The Power to Question

BACKGROUND

RAl16 (FAM160B2), also known as family with sequence similarity 160, member B2, FLJ11125, FLJ21801, MGC138352 or retinoic acid induced 16, is a 743 amino acid protein belonging to the UPF0518 family. Encoded by a gene that maps to human chromosome 8p21.3, RAl16 shares homology with mouse and rat orthologue. RAl16 may play a role in early lens development in mammals and in upregulation of genes in CD34+ cells in coronary artery disease patients. Consisting of nearly 146 million base pairs, chromosome 8 encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

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CHROMOSOMAL LOCATION

Genetic locus: FAM160B2 (human) mapping to 8p21.3; Fam160b2 (mouse) mapping to 14 D2.

SOURCE

RAI16 (D-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RAI16 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-82335 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RAI16 (D-20) is recommended for detection of RAI16 of mouse, rat and 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).

RAI16 (D-20) is also recommended for detection of RAI16 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for RAI16 siRNA (h): sc-76340, RAI16 siRNA (m): sc-76341, RAI16 shRNA Plasmid (h): sc-76340-SH, RAI16 shRNA Plasmid (m): sc-76341-SH, RAI16 shRNA (h) Lentiviral Particles: sc-76340-V and RAI16 shRNA (m) Lentiviral Particles: sc-76341-V.

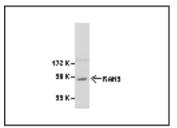
Molecular Weight of RAI16: 82 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210.

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) with UltraCruz™ Mounting Medium: sc-24941.

DATA



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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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