

5830415F09Rik (K-18): sc-240183

BACKGROUND

5830415F09Rik (RIKEN cDNA 5830415F09 gene), also known as Nap1 (Nef-associated protein 1), AV014846 or RP23-42307.7, is a 431 amino acid protein that interacts with HIV-1 Nef, a lentivirus protein. Belonging to the UPF0066 (virR) family, 5830415F09Rik is suggested to hydrolyze acyl-CoA thioesters *in vitro*. 5830415F09Rik has a preference for substrates with medium chain length, C10-C14, but is inactive towards substrates with C18 or C20 aliphatic chains. 5830415F09Rik is the mouse homolog of human C9orf156, which is encoded by a gene located on human chromosome 9 and exists as three alternatively spliced isoforms. Human 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.

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CHROMOSOMAL LOCATION

Genetic locus: 5830415F09Rik (mouse) mapping to 4 B1.

SOURCE

5830415F09Rik (K-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of 5830415F09Rik of mouse 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-240183 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

5830415F09Rik (K-18) is recommended for detection of 5830415F09Rik of mouse origin and RGD1305420 of rat origin of mouse and rat 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).

Suitable for use as control antibody for 5830415F09Rik siRNA (m): sc-140402, 5830415F09Rik shRNA Plasmid (m): sc-140402-SH and 5830415F09Rik shRNA (m) Lentiviral Particles: sc-140402-V.

Molecular Weight of 5830415F09Rik isoform 1: 48 kDa.

Molecular Weight of 5830415F09Rik isoform 2: 54 kDa.

Molecular Weight of 5830415F09Rik isoform 3: 46 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.

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.