

NIPSNAP3A (P-13): sc-163139

BACKGROUND

NIPSNAP3A (protein NipSnap homolog 3A), also known as TassC (target for *Salmonella* secreted protein C), is a 247 amino acid cytoplasmic protein that belongs to the NipSnap family, which is a family of proteins with putative roles in vesicular transport. While highly expressed in liver, kidney and muscle, NIPSNAP3A is expressed at an intermediate level in brain, heart, colon, thymus, kidney, small intestine, placenta, lung, leukocytes and spleen. Interacting with the *Salmonella typhimurium* virulence protein spi-C, NIPSNAP3A is encoded by a gene that maps to human chromosome 9q31.1. Housing over 900 genes, chromosome 9 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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CHROMOSOMAL LOCATION

Genetic locus: Nipsnap3a (mouse) mapping to 4 B2.

SOURCE

NIPSNAP3A (P-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of NIPSNAP3A 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-163139 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

NIPSNAP3A (P-13) is recommended for detection of NIPSNAP3A 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); non cross-reactive with NIPSNAP3B.

Suitable for use as control antibody for NIPSNAP3A siRNA (m): sc-108453, NIPSNAP3A shRNA Plasmid (m): sc-108453-SH and NIPSNAP3A shRNA (m) Lentiviral Particles: sc-108453-V.

Molecular Weight of NIPSNAP3A: 28 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.