Gm711 (S-14): sc-164496



The Power to Question

BACKGROUND

Gm711, also known as Sgk071, MGC58758 or RP23-414L19.8, is a 622 amino acid protein that belongs to the protein kinase superfamily, the Ser/Thr protein kinase family and the STKL subfamily. Gm711 contains one protein kinase domain, which is predicted to be catalytically inactive. Gm711 is the homologue of human C9orf96. Gm711 is encoded by a gene located on mouse chromosome 2 A3, whereas C9orf96 is encoded by a gene mapping to human chromosome 9. 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.

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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.

CHROMOSOMAL LOCATION

Genetic locus: Gm711 (mouse) mapping to 2 A3.

SOURCE

Gm711 (S-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Gm711 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-164496 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Gm711 (S-14) is recommended for detection of Gm711 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 Gm711 siRNA (m): sc-145597, Gm711 shRNA Plasmid (m): sc-145597-SH and Gm711 shRNA (m) Lentiviral Particles: sc-145597-V.

Molecular Weight of Gm711: 75 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.

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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