SLC35D3 (S-12): sc-137769



The Power to Question

BACKGROUND

SLC35D3 (solute carrier family 35 member D3), also known as FRCL1, is a 416 amino acid multi-pass membrane protein belonging to the TPT transporter family and the SLC35D subfamily. SLC35D3 is suggested to play a role in hemostasis as a regulator of the biosynthesis of platelet-dense granules. SLC35D3 is encoded by a gene located on human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SLC35D3 (human) mapping to 6q23.3; Slc35d3 (mouse) mapping to 10 A3.

SOURCE

SLC35D3 (S-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SLC35D3 of human origin.

STORAGE

Store at 4° C, **D0 NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

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-137769 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SLC35D3 (S-12) is recommended for detection of SLC35D3 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); non cross-reactive with SLC35D1 or SLC35D2.

SLC35D3 (S-12) is also recommended for detection of SLC35D3 in additional species, including bovine.

Suitable for use as control antibody for SLC35D3 siRNA (h): sc-95078, SLC35D3 siRNA (m): sc-153538, SLC35D3 shRNA Plasmid (h): sc-95078-SH, SLC35D3 shRNA Plasmid (m): sc-153538-SH, SLC35D3 shRNA (h) Lentiviral Particles: sc-95078-V and SLC35D3 shRNA (m) Lentiviral Particles: sc-153538-V.

Molecular Weight of SLC35D3: 44 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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