

# SLC35F2 (T-18): sc-324312

## BACKGROUND

SLC35F2 (solute carrier family 35, member F2), also known as HSNOV1, is a 374 amino acid multi-pass membrane protein that belongs to the SLC35F solute transporter family. Existing as three alternatively spliced isoforms, SLC35F2 functions as a putative solute transporter. The gene encoding SLC35F2 maps to human chromosome 11, which consists of approximately 135 million base pairs and 1,400 genes. Comprising around 4% of human genomic DNA, chromosome 11 is considered a gene and disease association dense chromosome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: SLC35F2 (human) mapping to 11q22.3; Slc35f2 (mouse) mapping to 9 A5.3.

## SOURCE

SLC35F2 (T-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of SLC35F2 of human 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-324312 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

SLC35F2 (T-18) is recommended for detection of SLC35F2 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 other SLC35F family members.

SLC35F2 (T-18) is also recommended for detection of SLC35F2 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SLC35F2 siRNA (h): sc-96823, SLC35F2 siRNA (m): sc-153543, SLC35F2 shRNA Plasmid (h): sc-96823-SH, SLC35F2 shRNA Plasmid (m): sc-153543-SH, SLC35F2 shRNA (h) Lentiviral Particles: sc-96823-V and SLC35F2 shRNA (m) Lentiviral Particles: sc-153543-V.

Molecular Weight of SLC35F2 isoforms: 41/39/36 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](http://www.scbt.com) or our catalog for detailed protocols and support products.