STAU2 (S-35): sc-101144

BACKGROUND

STAU2 (staufen, RNA-binding protein, homolog 2), also known as 39K2 or 39K3, is one of two vertebrate homologs of the Drosophila protein staufen, an RNA-binding protein that mediates mRNA transport during Drosophila oogenesis and zygotic development. Expressed predominantly in brain tissue and throughout neuronal development, STAU2 belongs to the double-stranded RNA-binding protein family and is involved in the regulation of nuclear-cytoplasmic transport, cell cycle progression, and alternative splicing events. STAU2 exists as five different isoforms.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: STAU2 (human) mapping to 8q21.11; Stau2 (mouse) mapping to 1 A3.

SOURCE

STAU2 (S-35) is a mouse monoclonal antibody raised against recombinant STAU2 of human origin.

PRODUCT

Each vial contains 100 µg IgG lambda chain in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

STAU2 (S-35) is recommended for detection of STAU2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for STAU2 siRNA (h): sc-77731, STAU2 siRNA (m): sc-153882, STAU2 shRNA Plasmid (h): sc-77731-SH, STAU2 shRNA Plasmid (m): sc-153882-SH, STAU2 shRNA (h) Lentiviral Particles: sc-77731-V and STAU2 shRNA (m) Lentiviral Particles: sc-153882-V.

Molecular Weight of STAU2: 63 kDa.

Positive Controls: STAU2 (h2): 293T Lysate: sc-172655 or IMR-32 cell lysate: sc-2409.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG HRP or m-IgG HRP (Cruz Marker): sc-516102-CM (dilution range 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA

STAU2 (S-35): sc-101144. Western blot analysis of STAU2 expression in non-transfected: sc-117752 (A) and human STAU2 transfected: sc-172655 (B) 293T whole cell lysates.

SELECT PRODUCT CITATIONS


STORAGE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.