Neurensin-1 (22): sc-136360

BACKGROUND
Neurensin-1 (NRSN1), also designated Vesicular membrane protein of 24 kDa (VMP) or Neuro-p24, is a 195 amino acid multi-pass membrane protein belonging to the VMP family that is involved in the transport of neural organelle transport and in the transduction of nerve signals or in nerve growth. Expressed solely in brain, Neurensin-1 is also thought to play a role in neurite extension. The gene encoding Neurensin-2 maps to human chromosome 6, which contains around 1,200 genes within 170 million base pairs of sequence. 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. Porphryia cutanea tarda, Parkinson’s disease, Sticklers syndrome, 21-hydroxylase deficiency and maple syrup urine disease are also associated with genes on chromosome 6.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: NRSN1 (human) mapping to 6p22.3; Nrsn1 (mouse) mapping to 13 A3.1.

SOURCE
Neurensin-1 (22) is a mouse monoclonal antibody raised against amino acids 93-196 of Neurensin-1 of mouse origin.

PRODUCT
Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

Neurensin-1 (22) is available conjugated to agarose (sc-136360 AC), 500 µg/0.25 ml agarose in 1 ml for IP; and to HRP (sc-136360-HRP), 200 µg/ml, for WB, IHC and ELISA.

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

APPLICATIONS
Neurensin-1 (22) is recommended for detection of Neurensin-1 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 immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for Neurensin-1 siRNA (h): sc-95247, Neurensin-1 siRNA (m): sc-149926, Neurensin-1 shRNA Plasmid (h): sc-95247-SH, Neurensin-1 shRNA Plasmid (m): sc-149926-SH, Neurensin-1 siRNA (h) Lentiviral Particles: sc-95247-V and Neurensin-1 shRNA (m) Lentiviral Particles: sc-149926-V.

Molecular Weight of Neurensin-1: 24 kDa.

Positive Controls: SH-SY5Y cell lysate: sc-3812, SK-N-SH cell lysate: sc-2410 or mouse brain extract: sc-2253.

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended:

DATA

RESEARCH USE
For research use only, not for use in diagnostic procedures. Not for resale.

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