

# endobrevin (T-20): sc-19367

## BACKGROUND

Syntaxins were originally thought to be docking proteins, but have more recently been categorized as anchoring proteins that anchor themselves to the cytoplasmic surfaces of cellular membranes. Syntaxins bind to various proteins involved in exocytosis, including VAMPs (vesicle-associated membrane proteins), NSF (N-ethylmaleimide-sensitive factor), SNAPs (soluble NSF attachment proteins) and Synaptotagmin. Endobrevin, also designated VAMP-8 or ED, is a 100 amino acid single-pass type IV membrane protein that belongs to the synaptobrevin family. Similar in sequence to the synaptobrevins, endobrevin is abundantly expressed in kidney, moderately expressed in heart and spleen, and slightly expressed in brain, thymus and liver. Endobrevin interacts specifically with the SNAPs, most likely through an endobrevin-containing SNARE complex.

## CHROMOSOMAL LOCATION

Genetic locus: VAMP8 (human) mapping to 2p11.2; Vamp8 (mouse) mapping to 6 C1.

## SOURCE

endobrevin (T-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of endobrevin 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-19367 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## STORAGE

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

## APPLICATIONS

endobrevin (T-20) is recommended for detection of endobrevin 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)], 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).

endobrevin (T-20) is also recommended for detection of endobrevin in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for endobrevin siRNA (h): sc-41300, endobrevin siRNA (m): sc-41301, endobrevin shRNA Plasmid (h): sc-41300-SH, endobrevin shRNA Plasmid (m): sc-41301-SH, endobrevin shRNA (h) Lentiviral Particles: sc-41300-V and endobrevin shRNA (m) Lentiviral Particles: sc-41301-V.

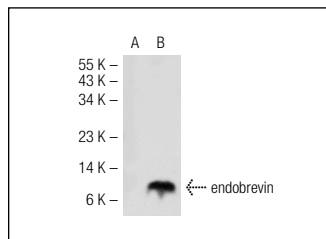
Molecular Weight of endobrevin: 11 kDa.

Positive Controls: endobrevin (m): 293T Lysate: sc-120032.

## 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

## DATA



endobrevin (T-20): sc-19367. Western blot analysis of endobrevin expression in non-transfected: sc-117752 (A) and mouse endobrevin transfected: sc-120032 (B) 293T whole cell lysates.

## 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.



Try **endobrevin (G-12): sc-166820**, our highly recommended monoclonal alternative to endobrevin (T-20).