**BACKGROUND**

Adseverin (ADSV), also known as Scinderin (SCIN), is a 715 amino acid protein belonging to the Villin/Gelsolin family. Adseverin is a Ca²⁺-dependent actin filament-severing protein localized to the cytoskeleton. Adseverin is believed to have a regulatory role in exocytosis by altering the organization of the microfilament network underneath the plasma membrane. *In vitro*, adseverin has barbed end capping and nucleating activities in the presence of Ca²⁺. Adseverin contains six Gelsolin-like repeats and is expressed as two isoforms produced by alternative splicing.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: SCIN (human) mapping to 7p21.3; Scin (mouse) mapping to 12 B1.

**SOURCE**

adseverin (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of adseverin of human origin.

**STORAGE**

Store at 4°C. **DO 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-79835 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**APPLICATIONS**

adseverin (N-17) is recommended for detection of adseverin 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

adseverin (N-17) is also recommended for detection of adseverin in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for adseverin siRNA (h): sc-72455, adseverin siRNA (m): sc-72456, adseverin shRNA Plasmid (h): sc-72455-SH, adseverin shRNA Plasmid (m): sc-72456-SH, adseverin shRNA (m) Lentiviral Particles: sc-72455-V and adseverin shRNA (m) Lentiviral Particles: sc-72456-V.

Molecular Weight of adseverin: 79 kDa.

Positive Controls: mouse brain extract: sc-2253.

**DATA**

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

**RESEARCH USE**

Try adseverin (C-2): sc-376136, our highly recommended monoclonal alternative to adseverin (N-17).