

Seh1 (Y-19): sc-79055

BACKGROUND

Seh1, also known as Sec13-like protein, is a 421 amino acid protein belonging to the WD repeat Sec13 family. Localized to the nucleus, Seh1 is a component of the nuclear pore complex Nup107-160. Nuclear pore complexes control bidirectional transport of macromolecules between the cytoplasm and the nucleus. All components of the complex Nup107-160, including Seh1, localize to the kinetochores during mitosis. Seh1 is expressed as two isoforms produced by alternative splicing and contains six WD repeats.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SEH1L (human) mapping to 18p11.21; Seh1l (mouse) mapping to 18 E1.

SOURCE

Seh1 (Y-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of Seh1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-79055 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

Seh1 (Y-19) is recommended for detection of Seh1 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).

Seh1 (Y-19) is also recommended for detection of Seh1 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for Seh1 siRNA (h): sc-76465, Seh1 siRNA (m): sc-76466, Seh1 shRNA Plasmid (h): sc-76465-SH, Seh1 shRNA Plasmid (m): sc-76466-SH, Seh1 shRNA (h) Lentiviral Particles: sc-76465-V and Seh1 shRNA (m) Lentiviral Particles: sc-76466-V.

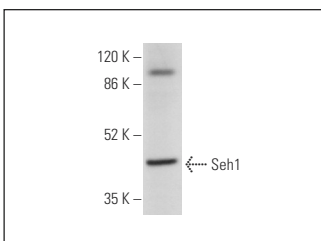
Molecular Weight of Seh1: 46 kDa.

Positive Controls: mouse thymus extract: sc-2406.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



Seh1 (Y-19): sc-79055. Western blot analysis of Seh1 expression in mouse thymus tissue extract.

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 or our catalog for detailed protocols and support products.