SANTA CRUZ BIOTECHNOLOGY, INC.

Mindin (H-131): sc-98927

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

The Thrombospondin proteins, Thrombospondins 1-4 and Thrombospondin 5 (also designated COMP), compose a family of glycoproteins that are involved in cell-to-cell and cell-to-matrix signaling. These extracellular, cell-surface proteins form complexes of both homo- and heteromultimers. Spondin-2, or Mindin, is also designated DIL-1 for its differential expression in cancerous and non-cancerous lung cells. Full-length SPON2 cDNA encodes a 331 amino acid protein with a domain arrangement similar to zebrafish F-Spondin and Mindin-1/Mindin-2: an FS1 domain, an FS2 domain, a hydrophobic signal sequence in the N-terminus and a Thrombospondin type I repeat. Immunoblot analysis demonstrates expression of dimers and oligomers in a concentration-dependent manner under nonreducing conditions.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SPON2 (human) mapping to 4p16.3; Spon2 (mouse) mapping to 5 B1.

RESEARCH USE

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

SOURCE

Mindin (H-131) is a rabbit polyclonal antibody raised against amino acids 201-331 mapping at the C-terminus of Mindin 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.

APPLICATIONS

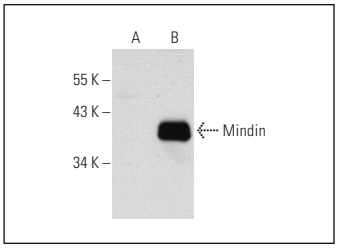
Mindin (H-131) is recommended for detection of Mindin and mature Spondin-2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Mindin siRNA (h): sc-61046, Mindin siRNA (m): sc-61047, Mindin shRNA Plasmid (h): sc-61046-SH, Mindin shRNA Plasmid (m): sc-61047-SH, Mindin shRNA (h) Lentiviral Particles: sc-61046-V and Mindin shRNA (m) Lentiviral Particles: sc-61047-V.

Molecular Weight of Mindin: 36 kDa.

Positive Controls: Mindin (m): 293T Lysate: sc-121660.

DATA



Mindin (H-131): sc-98927. Western blot analysis of Mindin expression in non-transfected: sc-117752 (**A**) and mouse Mindin transfected: sc-121660 (**B**) 293T whole cell lysates.

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.

MONOS Satisfaction Guaranteed

Try **Mindin (A-10): sc-166868** or **Mindin (D-4): sc-376562**, our highly recommended monoclonal alternatives to Mindin (H-131).