

HAPLN3 (E-14): sc-55106

BACKGROUND

HAPLN3 (hyaluronan and proteoglycan link protein 3) is a 360 amino acid protein encoded by the human gene HAPLN3. HAPLN3 belongs to the HAPLN family and contains one Ig-like V-type (immunoglobulin-like) domain and two link domains. HAPLN3 mediates the binding of complexes containing hyaluronic acid. It may play a pivotal role in the formation of the hyaluronan-associated matrix in the central nervous system (CNS), which facilitates neuronal conduction and general structural stabilization. HAPLN3 may also be involved in the formation of extracellular matrices contributing to perineuronal nets and facilitate the understanding of a functional role of these extracellular matrices. HAPLN3 is widely expressed, with highest levels in spleen and placenta.

REFERENCES

1. Evanko, S.P., et al. 1999. Formation of hyaluronan- and versican-rich pericellular matrix is required for proliferation and migration of vascular smooth muscle cells. *Arterioscler. Thromb. Vasc. Biol.* 19: 1004-1013.
2. Clark, H.F., et al. 2003. The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment. *Genome Res.* 13: 2265-2270.

CHROMOSOMAL LOCATION

Genetic locus: HAPLN3 (human) mapping to 15q26.1.

SOURCE

HAPLN3 (E-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of HAPLN3 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-55106 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

HAPLN3 (E-14) is recommended for detection of HAPLN3 of 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 HAPLN3 siRNA (h): sc-62439, HAPLN3 shRNA Plasmid (h): sc-62439-SH and HAPLN3 shRNA (h) Lentiviral Particles: sc-62439-V.

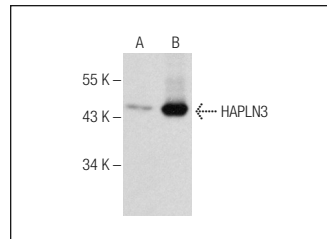
Molecular Weight of HAPLN3: 41 kDa.

Positive Controls: HEK293 whole cell lysate or HAPLN3 (h): 293T Lysate: sc-370829.

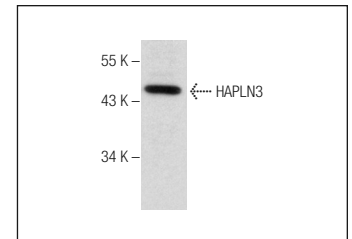
RECOMMENDED SECONDARY REAGENTS

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



HAPLN3 (E-14): sc-55106. Western blot analysis of HAPLN3 expression in non-transfected: sc-117752 (A) and human HAPLN3 transfected: sc-370829 (B) 293T whole cell lysates.



HAPLN3 (E-14): sc-55106. Western blot analysis of HAPLN3 expression in HEK293 whole cell lysate.

STORAGE

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

RESEARCH USE

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

PROTOCOLS

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

MONOS
Satisfaction
Guaranteed

Try **HAPLN3 (F-3): sc-377480** or **HAPLN3 (A-3): sc-390390**, our highly recommended monoclonal alternatives to HAPLN3 (E-14).