

HARE (N-15): sc-27747

BACKGROUND

HARE (also designated stabilin-2) is the hyaluronan receptor for endocytosis, which mediates the endocytic clearance of hyaluronan (HA) and chondroitin sulfate from lymph fluid and blood. HARE is expressed in endothelial sinuses of liver, lymph nodes, spleen and bone marrow, and in specialized structures of the eye, heart, brain and kidney. Human HARE has two isoforms of 190 and 315 kDa, rat HARE has 175 and 300 kDa isoforms. HARE may serve to maintain tissue integrity by supporting extracellular matrix turnover or it may contribute to maintaining fluidity of bodily liquids by resorption of hyaluronan. When studies of clearance of hyaluronan (HA) and scavenger receptor ligands by liver sinusoidal endothelial cells (LSECs) were performed, stabilin-2 had a clear scavenging profile, stabilin-1 did not.

REFERENCES

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2. Politz, O., Gratchev, A., McCourt, P.A., Schledzewski, K., Guillot, P., Johansson, S., Svineng, G., Franke, P., Kannicht, C., Kzhyshkowska, J., Longati, P., Velten, F.W., Johansson, S. and Goerdts, S. 2002. Stabilin-1 and -2 constitute a novel family of fasciclin-like hyaluronan receptor homologues. *Biochem. J.* 362: 155-164.
3. Zhou, B., et al. 2003. Purification and molecular identification of the human hyaluronan receptor for endocytosis. *Glycobiology* 13: 339-349.
4. Falkowski, M., et al. 2003. Expression of stabilin-2, a novel fasciclin-like hyaluronan receptor protein, in murine sinusoidal endothelia, avascular tissues, and at solid/liquid interfaces. *Histochem. Cell Biol* 120: 361-369.
5. Weigel, J.A., et al. 2003. A blocking antibody to the hyaluronan receptor for endocytosis (HARE) inhibits hyaluronan clearance by perfused liver. *J. Biol. Chem* 278: 9808-9812.
6. Weigel, J.A., et al. 2003. Characterization of the recombinant rat 175-kDa hyaluronan receptor for endocytosis (HARE). *J. Biol. Chem* 278: 42802-42811.
7. Harris, E.N., Weigel, J.A. and Weigel, P.H. 2004. Endocytic function, glycosaminoglycan specificity, and antibody sensitivity of the recombinant human 190-kDa hyaluronan receptor for endocytosis (HARE). *J. Biol. Chem.* 279: 36201-36209.

SOURCE

HARE (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of HARE 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-27747 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

HARE (N-15) is recommended for detection of HARE 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 HARE siRNA (h): sc-105433.

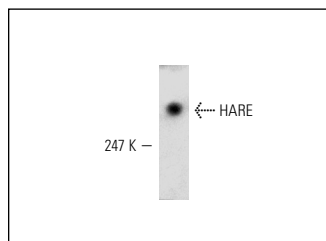
Molecular Weight of HARE: 190/315 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, liver or lymph nodes.

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



HARE (N-15): sc-27747. Western blot analysis of HARE expression in Jurkat 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.

PROTOCOLS

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