

ARH (E-22): sc-130692

BACKGROUND

Autosomal recessive hypercholesterolemia protein (ARH, low density lipoprotein (LDL) receptor adaptor protein) is a cytosolic adaptor that couples LDLR to endocytic machinery. ARH couples to the internalization motif of the LDL receptor-FXNPXY, through an N-terminal phosphotyrosine-binding (PTB) domain and binds soluble clathrin trimers and clathrin adaptors. ARH is present at high levels in the kidney, liver and placenta, with lower levels detectable in brain, heart, muscle, colon, spleen, intestine, lung and leukocytes.

REFERENCES

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- Nagai, M., Meerloo, T., Takeda, T. and Farquhar, M.G. 2003. The adaptor protein ARH escorts megalin to and through endosomes. *Mol. Biol. Cell* 14: 4984-4996.
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CHROMOSOMAL LOCATION

Genetic locus: LDLRAP1 (human) mapping to 1p36.11.

SOURCE

ARH (E-22) is a purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of ARH of human origin.

PRODUCT

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

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.

APPLICATIONS

ARH (E-22) is recommended for detection of ARH of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Suitable for use as control antibody for ARH siRNA (h): sc-106784, ARH shRNA Plasmid (h): sc-106784-SH and ARH shRNA (h) Lentiviral Particles: sc-106784-V.

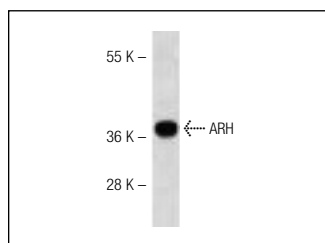
Molecular Weight of ARH: 35

Positive Controls: HeLa nuclear extract: sc-2120 or H460 whole cell lysate.

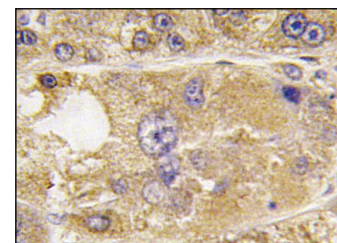
RECOMMENDED SECONDARY REAGENTS

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) 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. 3) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



ARH (E-22): sc-130692. Western blot analysis of ARH expression in H460 whole cell lysate.



ARH (E-22): sc-130692. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human hepatocarcinoma tissue showing cytoplasmic localization.

PROTOCOLS

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

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Try **ARH (F-11): sc-514106** or **ARH (E-10): sc-514263**, our highly recommended monoclonal alternatives to ARH (E-22).