

Rabbit anti-Human ARH (LDLRAP1) Polyclonal Antibody | anti-LDLRAP1 antibody

ARH (LDLRAP1) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283864	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

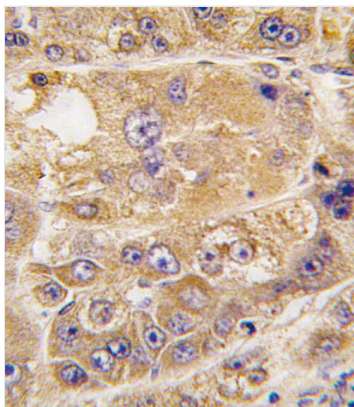
PRODUCT SYNONYMS

ARH (LDLRAP1); Polyclonal Antibody; ARH (LDLRAP1) Antibody (C-term); Low density lipoprotein receptor adapter protein 1; Autosomal recessive hypercholesterolemia protein; LDLRAP1; ARH; anti-LDLRAP1 antibody

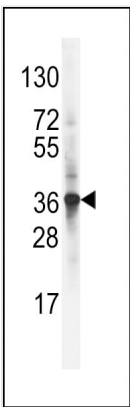
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ARH (LDLRAP1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 277-306 amino acids from the C-terminal region of human ARH (LDLRAP1).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	277-306
Sequence Length	308
Applicable Applications for anti-LDLRAP1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Cellular Location	Cytoplasm.
Tissue Location	Expressed at high levels in the kidney, liver, and placenta, with lower levels detectable in brain, heart, muscle, colon, spleen, intestine, lung, and leukocytes
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with LDLRAP1 antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of LDLRAP1 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). LDLRAP1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-LDLRAP1 antibody	LDLRAP1 is a cytosolic protein which contains a phosphotyrosine binding (PTD) domain. The PTD domain has been found to interact with the cytoplasmic tail of the LDL receptor. This adapter protein is required for efficient endocytosis of the LDL receptor (LDLR) in polarized cells such as hepatocytes and lymphocytes, but not in non-polarized cells (fibroblasts). LDLRAP1 may be required for LDL binding and internalization but not for receptor clustering in coated pits. This protein may facilitate the endocytosis of LDLR and LDLR-LDL complexes from coated pits by stabilizing the interaction between the receptor and the structural components of the pits, and may also be involved in the internalization of other LDLR family members. Mutations in the LDLRAP1 gene lead to LDL receptor malfunction and cause the disorder autosomal recessive hypercholesterolaemia.
Product Categories/Family for anti-LDLRAP1 antibody	Cardiovascular; Metabolism; Signal transduction
References	Maurer,M.E., J. Cell. Sci. 119 (PT 20), 4235-4246 (2006) Keyel,P.A., Mol. Biol. Cell 17 (10), 4300-4317 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	132626790
NCBI GeneID	26119
NCBI Accession #	NP_056442.2
NCBI GenBank Nucleotide #	NM_015627.2
UniProt Accession #	Q5SW96; Q6TQS9; Q8N2Y0; Q9UF19; A2BHI5
Molecular Weight	33885
NCBI Official Full Name	low density lipoprotein receptor adapter protein 1
NCBI Official Synonym Full Names	low density lipoprotein receptor adaptor protein 1
NCBI Official Symbol	LDLRAP1
NCBI Official Synonym Symbols	ARH; ARH1; ARH2; FHCB1; FHCB2
NCBI Protein Information	low density lipoprotein receptor adapter protein 1
UniProt Protein Name	Low density lipoprotein receptor adapter protein 1
UniProt Gene Name	LDLRAP1

UniProt Synonym Gene Names	ARH
UniProt Entry Name	ARH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/arh-ldlrp1-antibody-immunohistochemistry-western-blot-elisa/283864>