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Datasheet for ABIN2786138
anti-LDLRAP1 antibody (N-Term)

1 Image

Overview

Quantity:	100 µL
Target:	LDLRAP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Horse, Pig, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LDLRAP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human LDLRAP1
Sequence:	WTDRETLLLE GMLFSLKYL G MTLVEQPKGE ELSAAAIKRI VATAKASGKK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against LDLRAP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	LDLRAP1
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Target Details

Alternative Name: LDLRAP1 ([LDLRAP1 Products](#))

Background: LDLRAP1 is an adapter protein (clathrin-associated sorting protein (CLASP)) 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. LDLRAP1 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. LDLRAP1 may also be involved in the internalization of other LDLR family members. LDLRAP1 binds to phosphoinositides, which regulate clathrin bud assembly at the cell surface. The protein encoded by this gene 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. Mutations in this gene lead to LDL receptor malfunction and cause the disorder autosomal recessive hypercholesterolaemia. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: ARH, ARH1, ARH2, DKFZp586D0624, FHCB1, FHCB2, MGC34705

Protein Interaction Partner: OBFC1, AP2B1, UBC, KLC1, LDLR, LRP2, CLTC, TFAP2A, APP,

Protein Size: 308

Molecular Weight: 34 kDa

Gene ID: 26119

NCBI Accession: [NM_015627](#), [NP_056442](#)

UniProt: [Q5SW96](#)

Pathways: [Lipid Metabolism](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 308 AA

Restrictions: For Research Use only

Handling

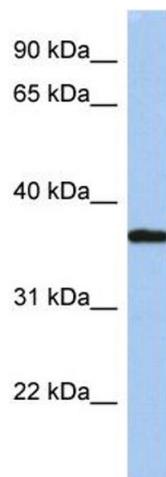
Format: Liquid

Concentration: Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-LDLRAP1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: HepG2 cell lysate