

Rabbit LRPAP1 Polyclonal Antibody | anti-LRPAP1 antibody

LRPAP1 Antibody

CATALOG # AAA326875	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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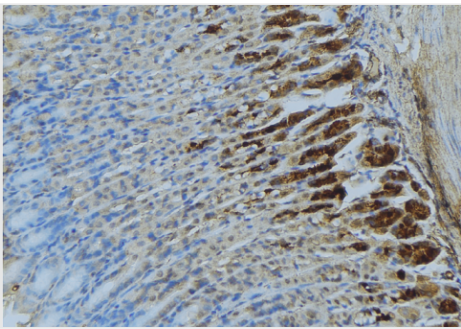
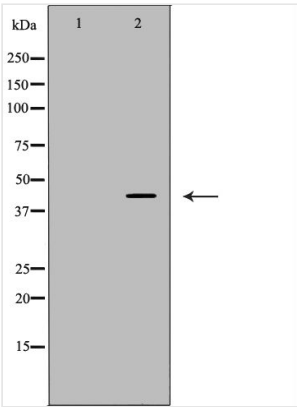
PRODUCT SYNONYMS

LRPAP1; Polyclonal Antibody; LRPAP1 Antibody; 39 kDa receptor-associated protein; A2MRAP; A2RAP; Alpha 2 macroglobulin receptor associated protein; Alpha 2 MRAP; Alpha-2-macroglobulin receptor-associated protein; Alpha-2-MRAP; AMRP_HUMAN; HBP44; Lipoprotein receptor associated protein; Low density lipoprotein receptor related protein associated protein 1; Low density lipoprotein receptor-related protein-associated protein 1; Low density lipoprotein related protein associated protein 1 alpha 2 macroglobulin receptor associated protein; Low density lipoprotein related protein associated protein 1; low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1); Lrpap1; MGC138272; MRAP; MYP23; RAP; anti-LRPAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LRPAP1 antibody detects endogenous levels of total LRPAP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	357
Applicable Applications for anti-LRPAP1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human LRPAP1
Subcellular Location	Endoplasmic Reticulum. Cytoplasm. Cell Surface. Intracellular and associated with cell surface receptors. Found in the endoplasmic reticulum.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog, Chicken
Similarity	Bovine (100%), Horse (100%), Sheep (89%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326875 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of HEK293 whole cell lysate, using LRPAP1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LRPAP1 antibody

Description: Low density lipoprotein receptor-related protein associated protein 1 also known as LRPAP1 or RAP is a chaperone protein which in humans is encoded by the LRPAP1 gene. LRPAP1 is involved with trafficking of certain members of the LDL receptor family including LRP1 and LRP2. It is a glycoprotein that binds to the alpha-2-macroglobulin receptor, as well as to other members of the low density lipoprotein receptor family. It acts to inhibit the binding of all know ligands for these receptors, and may prevent receptor aggregation and degradation in the endoplasmic reticulum, thereby acting as a molecular chaperone. It may be under the regulatory control of calmodulin, since it is able to bind calmodulin and be phosphorylated by calmodulin-dependent kinase II. Function: Molecular chaperone for LDL receptor-related proteins that may regulate their ligand binding activity along the secretory pathway.

Subunit Structure: Interacts with the LRP1/alpha-2-macroglobulin receptor heavy and light chains; the interaction is transient and coincides with a reduction of ligand binding by the receptor (PubMed:1712782, PubMed:1400426, PubMed:7774585, PubMed:16938309, PubMed:16678114). Interacts with LRP2/glycoprotein 330 (PubMed:1400426). Interacts with LRP1B; binding is followed by internalization and degradation (PubMed:11384978). Interacts with LDLR (PubMed:16630895).

Post-translational Modifications: N-glycosylated.

Similarity: Belongs to the alpha-2-MRAP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505021
NCBI GeneID	4043
NCBI Accession #	NP_002328.1
NCBI GenBank Nucleotide #	NM_002337.4
UniProt Accession #	P30533; Q2M310; Q53HQ3; Q53HS6; D3DVR9
Molecular Weight	Observed: 41 kDa Predicted: 42 kDa
NCBI Official Full Name	alpha-2-macroglobulin receptor-associated protein
NCBI Official Synonym Full Names	LDL receptor related protein associated protein 1
NCBI Official Symbol	LRPAP1
NCBI Official Synonym Symbols	RAP; MRAP; A2RAP; HBP44; MYP23; A2MRAP; alpha-2-MRAP
NCBI Protein Information	alpha-2-macroglobulin receptor-associated protein
UniProt Protein Name	Alpha-2-macroglobulin receptor-associated protein

UniProt Gene Name	LRPAP1
UniProt Synonym Gene Names	A2MRAP; Alpha-2-MRAP; RAP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/lrpap1-antibody-immunohistochemistry-western-blot-elisa/326875>