

Mouse anti-Human LRPAP1 Monoclonal Antibody | anti-LRPAP1 antibody

LRPAP1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48150	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

LRPAP1; Monoclonal Antibody; LRPAP1 antibody; alpha-2-macroglobulin receptor-associated protein; A2MRAP; A2RAP; HBP44; MGC138272; MRAP; RAP; anti-LRPAP1 antibody

PRODUCT SPECIFICATIONS

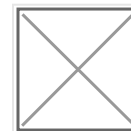
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT8G8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	357
Applicable Applications for anti-LRPAP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human LRPAP1 (35-357aa) purified from E. coli
Cross reactivity	mouse
Clone Note	Anti-human LRPAP1 mAb, clone AT8G8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human LRPAP1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of LRPAP1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human LRPAP1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The lysate of Mouse kidney (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human LRPAP1 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-LRPAP1 antibody	Alpha-2-macroglobulin receptor-associated protein, also known as low density lipoprotein receptor-related protein-associated protein 1, RAP and LRPAP1, is a 39 kDa protein and a member of the alpha-2-MRAP family. LRPAP1 is a receptor antagonist that interacts with several members of the low density lipoprotein (LDL) receptor gene family. Upon binding to these receptors, LRPAP1 inhibits all ligand interactions with the receptors. LRPAP1 is present on cell surface forming a complex with the alpha-2-macroglobulin receptor heavy and light chains.LRPAP1 is present on the cell surface, where it is an effective inhibitor of ligand binding to the kidney glycoprotein 330 (gp330) yet it is most abundant in the endoplasmic reticulum lumen and may function in receptor folding and/or trafficking.
Product Categories/Family for anti-LRPAP1 antibody	Metabolism; Signal Transduction
References	Kounnas. M.Z., et al. (1992) J Biol Chem 267 (29): 21162-21166; Bu. G., et al. (1995) EMBO J 14 (10): 2269-2280

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505021
NCBI GeneID	4043
NCBI Accession #	NP_002328
NCBI GenBank Nucleotide #	NM_002337.3
UniProt Accession #	P30533; Q2M310; Q53HQ3; Q53HS6; D3DVR9
Molecular Weight	41,466 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lrpap1-antibody-clone-at8g8-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48150>