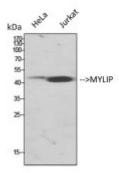


Anti-MYLIP antibody





Description	Rabbit polyclonal to MYLIP.

Model STJ94304

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human MYLIP

Immunogen Region 130-210 aa, Internal

Gene ID 29116

Gene Symbol MYLIP

Dilution range WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000

Specificity MYLIP Polyclonal Antibody detects endogenous levels of MYLIP protein.

Tissue Specificity Ubiquitously expressed.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name E3 ubiquitin-protein ligase MYLIP Inducible degrader of the LDL-receptor

Idol Myosin regulatory light chain interacting protein MIR RING-type E3

ubiquitin transferase MYLIP

Molecular Weight 50 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:21155OMIM:610082</u>

Alternative Names E3 ubiquitin-protein ligase MYLIP Inducible degrader of the LDL-receptor

Idol Myosin regulatory light chain interacting protein MIR RING-type E3

ubiquitin transferase MYLIP

Function E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent

proteasomal degradation of myosin regulatory light chain (MRLC), LDLR, VLDLR and LRP8. Activity depends on E2 enzymes of the UBE2D family. Proteasomal degradation of MRLC leads to inhibit neurite outgrowth in presence of NGF by counteracting the stabilization of MRLC by saposin-like protein (CNPY2/MSAP) and reducing CNPY2-stimulated neurite outgrowth.

Acts as a sterol-dependent inhibitor of cellular cholesterol uptake by mediating ubiquitination and subsequent degradation of LDLR.

Sequence and Domain Family The RING domain mediates ubiquitination and the neurite outgrowth

inhibitory activity.; The FERM domain binds phospholipids and mediates lipoprotein receptors recognition at the plasma membrane through their cytoplasmic tails.; The RING-type zinc finger mediates the interaction with

UBE2D E2 enzymes.

Cellular Localization Cytoplasm Cell membrane

Post-translational Autoubiquitinated.

Modifications

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