

MYLIP Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5315c**Specification**

MYLIP Antibody (Center) Blocking peptide - Product InformationPrimary Accession
Other Accession[Q8WY64](#)
[NP_037394](#)**MYLIP Antibody (Center) Blocking peptide - Additional Information****Gene ID** 29116**Other Names**

E3 ubiquitin-protein ligase MYLIP, 632-, Inducible degrader of the LDL-receptor, Idol, Myosin regulatory light chain interacting protein, MIR, MYLIP, BZF1, IDOL

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MYLIP Antibody (Center) Blocking peptide - Protein Information**Name** MYLIP**Synonyms** BZF1, IDOL**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.

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein

Tissue Location

Ubiquitously expressed.

MYLIP Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MYLIP Antibody (Center) Blocking peptide - Images

MYLIP Antibody (Center) Blocking peptide - Background

The ERM protein family members ezrin, radixin, and moesin are cytoskeletal effector proteins linking actin to membrane-bound proteins at the cell surface. Myosin regulatory light chain interacting protein (MYLIP) is a novel ERM-like protein that interacts with myosin regulatory light chain and inhibits neurite outgrowth.

MYLIP Antibody (Center) Blocking peptide - References

Chasman, D.I., et al. PLoS Genet. 5 (11), E1000730 (2009) Lindholm, D., et al. Cell. Mol. Life Sci. 66(21):3399-3402(2009) Zelcer, N., et al. Science 325(5936):100-104(2009)