

ARG42116
anti-MYLIP / IDOL antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MYLIP / IDOL
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MYLIP / IDOL
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 266-445 of Human MYLIP / IDOL (NP_037394.2).
Conjugation	Un-conjugated
Alternate Names	Inducible degrader of the LDL-receptor; EC 6.3.2.-; Myosin regulatory light chain interacting protein; E3 ubiquitin-protein ligase MYLIP; IDOL; MIR; Idol

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 50 kDa	

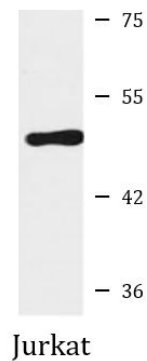
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MYLIP
Gene Full Name	myosin regulatory light chain interacting protein
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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	50 kDa
PTM	Autoubiquitinated. [UniProt]
Cellular Localization	Cytoplasm. Cell membrane; Peripheral membrane protein. [UniProt]

Images



ARG42116 anti-MYLIP / IDOL antibody WB image

Western blot: 25 µg of Jurkat cell lysate stained with ARG42116 anti-MYLIP / IDOL antibody at 1:1000 dilution.