# ARG42128
# anti-MYLIP / IDOL antibody

Package: 100 µl
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes MYLIP / IDOL |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | MYLIP / IDOL |
| Species | Human |
| Immunogen | KLH-conjugated synthetic peptide between aa. 111-139 of Human MYLIP / IDOL. |
| 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 |
|---|---|
| FACS | 1:10 - 1:50 |
| IHC-P | 1:50 - 1:100 |
| WB | 1:1000 |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Positive Control | Rat brain |
| Observed Size | ~ 48 kDa |

## Properties

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| Form | Liquid |
| Purification | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Buffer | PBS and 0.09% (W/V) Sodium azide. |
| Preservative | 0.09% (W/V) Sodium azide |
| 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 or below. 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. |

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| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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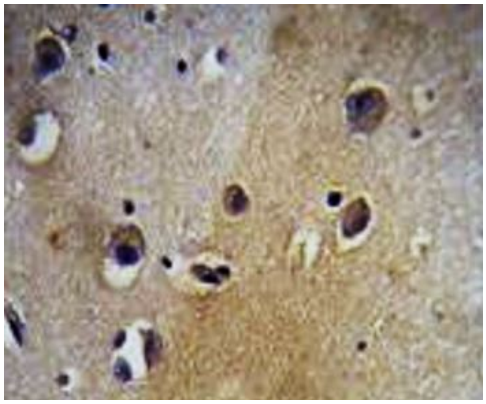
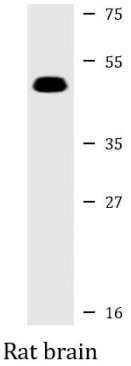
| Gene Symbol | MYLIP |
| Gene Full Name | myosin regulatory light chain interacting protein |
| Background | The ERM protein family members ezrin, radixin, and moesin are cytoskeletal effector proteins linking actin to membrane-bound proteins at the cell surface. Myosin regulatory light chain interacting 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



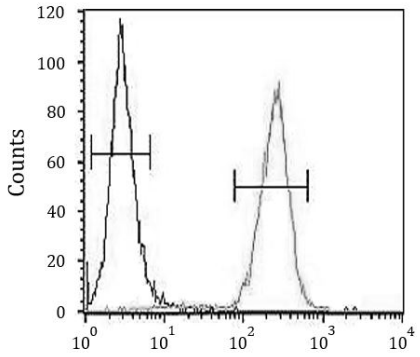
ARG42128 anti-MYLIP / IDOL antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain tissue stained with ARG42128 anti-MYLIP / IDOL antibody.




ARG42128 anti-MYLIP / IDOL antibody WB image

Western blot: 20 µg of Rat brain lysate stained with ARG42128 anti-MYLIP / IDOL antibody 1:2000 dilution.




ARG42128 anti-MYLIP / IDOL antibody FACS image

Flow Cytometry: MCF7 cells stained with ARG42128 anti-MYLIP / IDOL antibody (right histogram) or without primary antibody as control (left histogram), followed by incubation with FITC labelled secondary antibody.