



MICAL2 Rabbit pAb

Catalog No	YP-Ab-19102
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	MICAL2 KIAA0750 MICAL2PV1 MICAL2PV2
Immunogen	Synthesized peptide derived from human MICAL2
Specificity	This antibody detects endogenous levels of MICAL2 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MICAL2PV1;MICAL-2;MICAL C-terminal-like protein;KIAA0750;EC:1.14.13.225; MICAL2 KIAA0750 MICAL2PV1 MICAL2PV2;Protein-methionine sulfoxide oxidase MICAL2 (Molecule interacting with CasL protein 2) (MICAL-2)
Observed Band	95 kDa, 112 kDa
Calculated Molecular Weight	127 kDa
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	
Function	Methionine monooxygenase that promotes depolymerization of F-actin by mediating oxidation of residues 'Met-44' and 'Met-47' on actin to form methionine-sulfoxide, resulting in actin filament disassembly and preventing repolymerization . Regulates the disassembly of branched actin networks also by oxidizing ARP3B-containing ARP2/3 complexes leading to ARP3B dissociation from the network . Acts as a key regulator of the SRF signaling pathway elicited by nerve growth factor and serum: mediates oxidation and subsequent depolymerization of nuclear actin, leading to increase MKL1/MRTF-A presence in the nucleus and promote SRF:MKL1/MRTF-A-dependent gene transcription. Does not activate SRF:MKL1/MRTF-A through RhoA .



Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images