



MICAL2 Rabbit pAb

Catalog No	YP-Ab-19102
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	MICAL2 KIAA0750 MICAL2PV1 MICAL2PV2
Protein Name	Protein-methionine sulfoxide oxidase MICAL2 (Molecule interacting with CasL protein 2) (MICAL-2)
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	
Observed Band	
Calculated Molecular Weight	215kD
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