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anti-MICAL2 antibody



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Quantity:	100 μg
Target:	MICAL2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MICAL2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	microtubule associated monoxygenase, calponin and LIM domain containing 2
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	MICAL2	
Alternative Name:	MICAL2 (MICAL2 Products)	
Background:	Synonyms:KIAA0750, MICAL2PV1, MICAL2PV2 Background:Nuclear monooxygenase that	
	promotes depolymerization of F-actin by mediating oxidation of specific methionine residues	
	on actin and regulates the SRF signaling. Acts by modifying nuclear actin subunits through the	
	addition of oxygen to form methionine-sulfoxide, leading to promote actin filament severing	

Target Details

and prevent repolymerization. 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.

Molecular Weight: 95, 112 kDa

Gene ID: 9645

Application Details

Application Notes: IHC: 1:20-1:200, IF: 1:20-1:200

Restrictions: For Research Use only

094851

Handling

UniProt:

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months