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Datasheet for ABIN7141997
anti-MICAL2 antibody (AA 1-495) (HRP)

Overview

Quantity:	100 µg
Target:	MICAL2
Binding Specificity:	AA 1-495
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MICAL2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human [F-actin]-monooxygenase MICAL2 protein (1-495AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MICAL2
Alternative Name:	MICAL2 (MICAL2 Products)
Background:	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

Target Details

modifying nuclear actin subunits through the addition of oxygen to form methionine-sulfoxide, leading to promote actin filament severing 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.

Aliases: MICAL2 antibody, KIAA0750 antibody, MICAL2PV1 antibody, MICAL2PV2 antibody, [F-actin]-monooxygenase MICAL2 antibody, EC 1.14.13.225 antibody, Molecule interacting with CasL protein 2 antibody, MICAL-2 antibody

UniProt: [O94851](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.