

Rabbit anti-Human MICAL2 Polyclonal Antibody | anti-MICAL2 antibody

MICAL2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119130	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

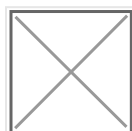
PRODUCT SYNONYMS

MICAL2; Polyclonal Antibody; MICAL2 Antibody; Protein-methionine sulfoxide oxidase MICAL2 (EC:1.14.13.-); KIAA0750; MICAL2PV1; MICAL2PV2; Molecule interacting with CasL protein 2; MICAL-2; anti-MICAL2 antibody

PRODUCT SPECIFICATIONS

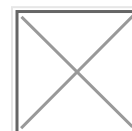
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G Purified
Form/Format	Liquid
Sequence Length	1124
Applicable Applications for anti-MICAL2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Species	Homo sapiens (Human)
Research Area	Cell Biology
Target Names	MICAL2
Immunogen	Recombinant Human [F-actin]-monooxygenase MICAL2 protein (1-495AA)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-135497 / sc-135498
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA119130 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic cancer using AAA119130 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-MICAL2 antibody	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 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/MRTFA presence in the nucleus and promote SRF:MKL1/MRTF-A-dependent gene transcription. Does not activate SRF:MKL1/MRTF-A through RhoA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	544063444
NCBI GeneID	9645
NCBI Accession #	NP_001269592.1
NCBI GenBank Nucleotide #	NM_001282663.1
UniProt Accession #	O94851; Q5KTR3; Q5KTR4; Q7Z3A8; B4DGZ0; B7Z849; D3DQW5; G3XAC8
NCBI Official Full Name	protein-methionine sulfoxide oxidase MICAL2 isoform a
NCBI Official Synonym Full Names	microtubule associated monooxygenase, calponin and LIM domain containing 2
NCBI Official Symbol	MICAL2
NCBI Official Synonym Symbols	MICAL-2; MICAL2PV1; MICAL2PV2
NCBI Protein Information	protein-methionine sulfoxide oxidase MICAL2
UniProt Protein Name	Protein-methionine sulfoxide oxidase MICAL2
UniProt Gene Name	MICAL2
UniProt Synonym Gene Names	KIAA0750; MICAL2PV1; MICAL2PV2; MICAL-2
UniProt Entry Name	MICA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mical2-antibody-immunofluorescence-immunohistochemistry-elisa/119130>