

Mouse MICAL1 Monoclonal Antibody | anti-MICAL1 antibody

MICAL1 antibody

CATALOG #	HOST	APPLICATIONS
AAA107349	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

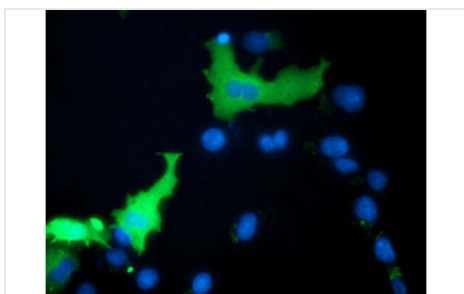
PRODUCT SYNONYMS

MICAL1; Monoclonal Antibody; MICAL1 antibody; Monoclonal MICAL1; Anti-MICAL1; Microtubule associated monooxygenase calponin and LIM domain containing 1; MICAL; NICAL; DKFZp434B1517; Molecule interacting with CasL protein 1; MICAL 1; MICAL-1; anti-MICAL1 antibody

PRODUCT SPECIFICATIONS

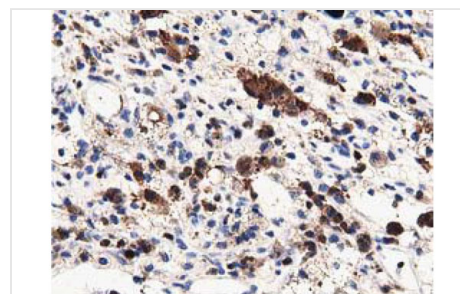
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4B1
Purity/Purification	MICAL1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	1067
Applicable Applications for anti-MICAL1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	MICAL1 may be a cytoskeletal regulator that connects NEDD9 to intermediate filaments.
Cross-Reactivity	Human
Immunogen	MICAL1 antibody was raised in mouse using a full length recombinant protein of human MICAL1 (NP_073602) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



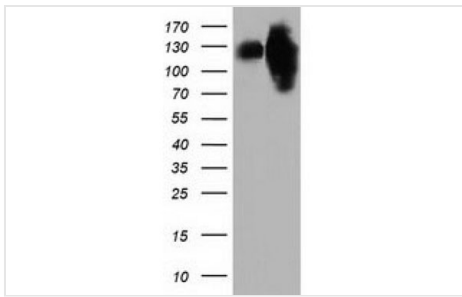
IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant MICAL1 protein using MICAL1 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of MICAL1 protein in paraffin embedded Carcinoma of Human kidney tissue using MICAL1 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MICAL1 protein (Right) or empty vector (Left) detected with MICAL1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-MICAL1 antibody	Mouse monoclonal MICAL1 antibody
Product Categories/Family for anti-MICAL1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	205360947
NCBI GeneID	64780
NCBI Accession #	NP_073602
NCBI GenBank Nucleotide #	NM_022765.3
UniProt Accession #	Q8TDZ2; Q7Z633; Q8IVS9; Q96G47; Q9H6X6; Q9H7I0; Q9HAA1; Q9UFF7; B7Z3R5; E1P5F0
Molecular Weight	119,821 Da
NCBI Official Full Name	protein-methionine sulfoxide oxidase MICAL1 isoform 1
NCBI Official Synonym Full Names	microtubule associated monooxygenase, calponin and LIM domain containing 1
NCBI Official Symbol	MICAL1
NCBI Official Synonym Symbols	MICAL; NICAL; MICAL-1
NCBI Protein Information	protein-methionine sulfoxide oxidase MICAL1
UniProt Protein Name	Protein-methionine sulfoxide oxidase MICAL1
UniProt Gene Name	MICAL1
UniProt Synonym Gene Names	MICAL; NICAL; MICAL-1
UniProt Entry Name	MICA1_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.