

Product datasheet for **TA362313**

MICAL2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MICAL2
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	107 kDa
Gene Name:	microtubule associated monooxygenase, calponin and LIM domain containing 2
Database Link:	NP_001269592.1 Entrez Gene 9645 Human O94851-4



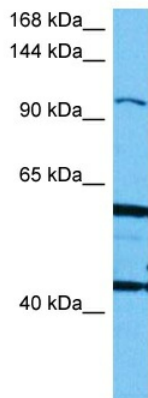
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Background:

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 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.

Synonyms:

DKFZp686H03148; DKFZp686H2469; KIAA0750; MICAL2PV1; MICAL2PV2

Product images:


Host: Rabbit
 Target Name: MICAL2
 Sample Type: HepG2 Cell Lysate
 Antibody Dilution: 1.0µg/ml

Host: Rabbit
 Target Name: MICAL2
 Sample Tissue: Human HepG2 Whole Cell lysates
 Antibody Dilution: 1ug/ml