

MICAL2 antibody

Product Information

Catalog No.:	FNab05178
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

Immunogen:	microtubule associated monooxygenase, calponin and LIM domain containing 2
Synonyms:	[F-actin]-monooxygenase MICAL2 MICAL C-terminal-like protein (Mical-cL) Molecule interacting with CasL protein 2 (MICAL-2) MICAL2 KIAA0750 MICAL2PV1 MICAL2PV2 MICALCL
Observed MW:	95, 112 kDa
Uniprot ID :	O94851

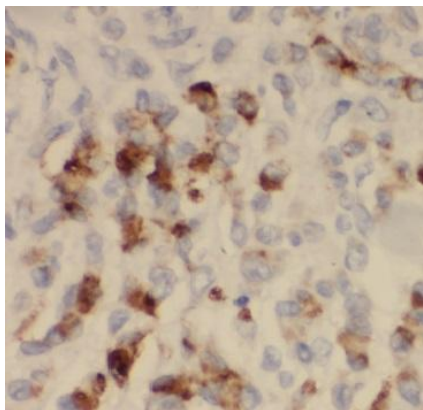
Application

Reactivity:	Human, Mouse, Rat
-------------	-------------------

Tested Application: ELISA, IHC, IF

Recommended dilution: IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human stomach cancer slide using FNab05178(MICAL2 Antibody) at dilution of 1:50