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MICAL2 Polyclonal Antibody

(Catalog # A59806)

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.

Description
MICAL2 Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
Liquid. 0.03% Proclin 300. 50% Glycerol, 0.01M PBS, PH 7.4.

Specificity
Human

Isotype
IgG

Uniprot ID
O94851

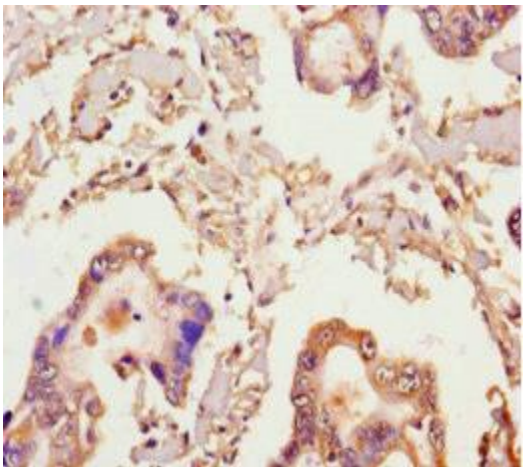
Purification
Protein G purified

Immunogen
Recombinant Human [F-actin]-monooxygenase MICAL2 protein (1-495AA)

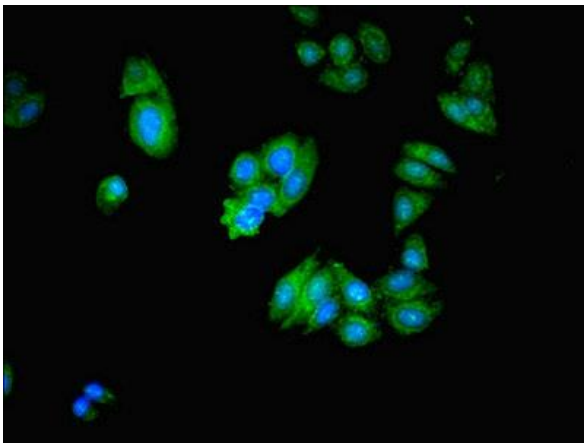
Storage
Shipped at 4°C. Upon delivery aliquot and store at -20°C (short-term) or -80°C (long-term). Avoid repeated freeze.

Alternative Names
Protein-methionine sulfoxide oxidase MICAL2 (EC:1.14.13.-), MICAL2, KIAA0750, MICAL2PV1, MICAL2PV2, Molecule interacting with CasL protein 2, MICAL-2

Application
ELISA, IHC, IF; Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200



Immunohistochemistry of paraffin-embedded human pancreatic cancer using MICAL2 Polyclonal Antibody at dilution 1:100



Immunofluorescent analysis of HepG2 cells using MICAL2 Polyclonal Antibody at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L)