ARG44146
anti-MICALL2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes MICALL2
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MICALL2
Species	Human
Immunogen	Human MICALL2 recombinant protein (Position: K132-Q741).
Conjugation	Un-conjugated
Alternate Names	MICALL2; MICAL Like; MICAL-L2; JRAB; Junctional Rab13-Binding Protein; Molecule Interacting With CasL-Like 2; MICAL-Like Protein 2; MGC46023; FLJ23471

Application Instructions

Application table

Application	Dilution
ICC/IF	
IHC-P	2 - 5 µg/ml
WB	0.25 - 0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

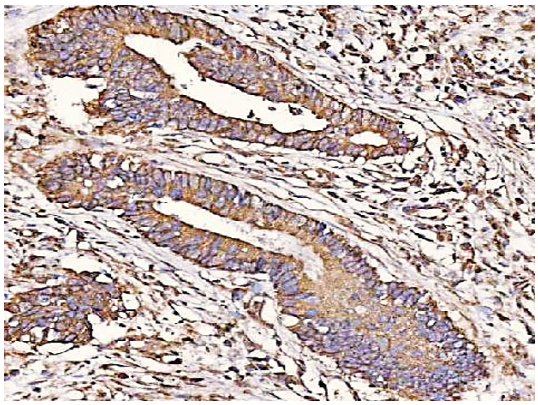
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

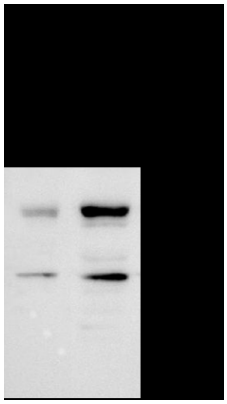
Gene Symbol	MICALL2
Gene Full Name	MICAL Like 2
Background	Enables filamin binding activity. Involved in positive regulation of protein targeting to mitochondrion. Predicted to be located in several cellular components, including bicellular tight junction; neuron projection; and recycling endosome. Predicted to colocalize with stress fiber.
Function	Effector of small Rab GTPases which is involved in junctional complexes assembly through the regulation of cell adhesion molecules transport to the plasma membrane and actin cytoskeleton reorganization. Regulates the endocytic recycling of occludins, claudins and E-cadherin to the plasma membrane and may thereby regulate the establishment of tight junctions and adherens junctions. In parallel, may regulate actin cytoskeleton reorganization directly through interaction with F-actin or indirectly through actinins and filamins. Most probably involved in the processes of epithelial cell differentiation, cell spreading and neurite outgrowth.
Calculated Mw	98 kDa
PTM	Phosphoprotein
Cellular Localization	Cell junction, Cell membrane, Cell projection, Cytoplasm, Cytoskeleton, Endosome, Membrane, Tight junction

Images



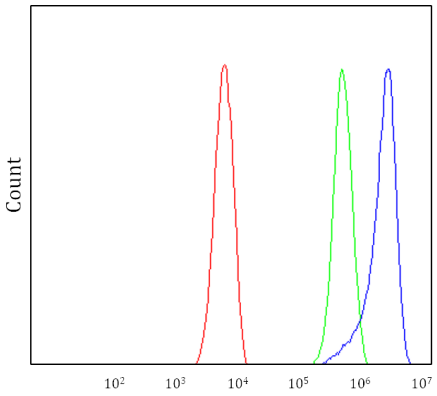
ARG44146 anti-MICALL2 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG44146 anti-MICALL2 antibody at 2 µg/ml dilution.



ARG44146 anti-MICALL2 antibody WB image

Western blot: U20S and K562 stained with ARG44146 anti-MICALL2 antibody at 0.5 µg/ml dilution.



ARG44146 anti-MICALL2 antibody FACS image

Flow Cytometry: K562 stained with ARG44146 anti-MICALL2 antibody at 1 µg/10^6 cells dilution.