



Catalog: OM641982

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Anti-RAB10 antibody

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☐ 20ul ☐ 50ul ☐ 100 ul

Product profile

Product name	Anti-RAB10 antibody
Antibody Type	Primary Antibodies
Immunogen	Polypeptide
Modification	Unmodification

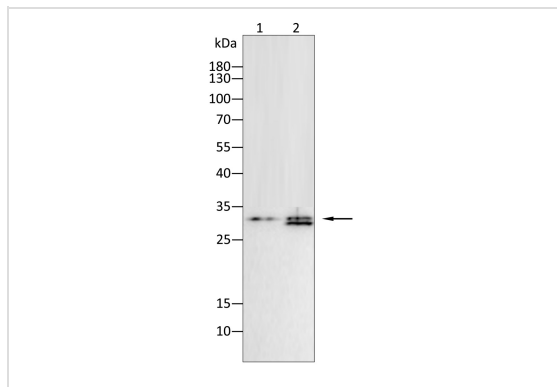
Key Feature

Clonality	polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Application	ELISA ICC/IF WB WB :1:200-1:2000 ICC/IF :1:100-1:500
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Protein A

Target Information

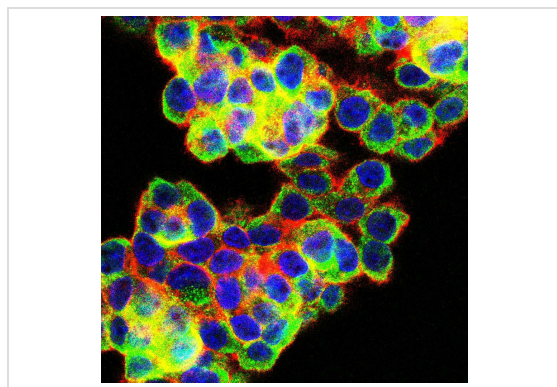
Gene Symbol	RAB10
Gene Synonyms	RAB10
Gene Full Name	RAB10
Gene Summary	RAB10 belongs to the RAS (see HRAS; MIM 190020) superfamily of small GTPases. RAB proteins localize to exocytic and endocytic compartments and regulate intracellular vesicle trafficking (Bao et al., 1998 [PubMed 9918381]).[supplied by OMIM, Mar 2009]
Molecular Weight(MW)	23 KDa
Source	Rabbit
Cellular Localization	Cell projection, Cytoplasm, Cytoplasmic vesicle, Cytoskeleton, Endoplasmic reticulum, Endosome, Golgi apparatus, Membrane

Application



WB

Western blot analysis using RAB10 antibody against HUVEC (1), T24 (2) cell lysate. 12% SDS-PAGE gel. Sample loading: 20µg /lane. Transfer the proteins onto a PVDF membrane ([OM790003](#)), and block it with TBST ([OM750016](#)) plus skimmed milk powder for one hour. Dilute the primary antibody with the antibody diluent ([OM750012](#)) at a ratio of 1:1000, and incubate it overnight at 4°C. Wash the membrane three times with TBST ([OM750016](#)), 5 minutes each time. At room temperature, dilute the secondary antibody, Goat Anti-Rabbit IgG(H&L)-HRP ([OM643487](#)), at a ratio of 1:20000 and incubate for one hour. Wash the membrane three times with TBST ([OM750016](#)) again, 5 minutes each time. Use ECL ([OM625701](#)) for luminescence staining time: 60S.



ICC/IF

Immunofluorescence analysis of HepG2 cells using RAB10 antibody (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Omnimabs® 594-Phalloidin. Cells are fixed in 4% paraformaldehyde at room temperature for 20 minutes. Then, they are permeabilized with a PBS ([OM750003](#)) solution containing 0.1% Triton X-100([OM750021](#)) at room temperature for 15 minutes. Subsequently, the cells are blocked with 10% non-immune goat serum([OM760028](#)) at room temperature for 1 hour. The cells are incubated overnight at 4°C with the primary antibody diluted 1:100 in PBS. The secondary antibody, Omnimabs® 488 Goat Anti-Rabbit IgG(H&L) (Green,[OM643486](#)), is diluted at a ratio of 1:400 and incubated with the cells for 1 hour. Nuclear DNA is labeled with DAPI (Blue,[OM643160](#)). F-actin is stained with Omnimabs® 594-Phalloidin (Red,[OM750007](#)) diluted 1:100 for 30 minutes.

Application Notes

WB: 1:200-1:2000
ICC/IF: 1:100-1:500

Additional Information

Form	Liquid
Storage Instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.
Storage Buffer	Purified antibody in PBS with 0.05% sodium azide.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt