10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MIC1 Antibody

Catalog # AP60888

Product Information

Application	WB, IF/IC
Primary Accession	Q96DM3
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74975

Additional Information

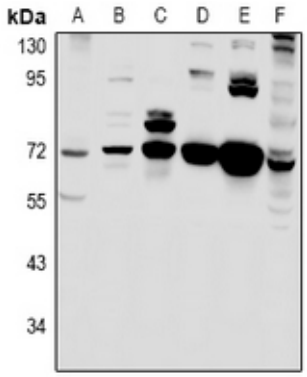
Gene ID	29919
Other Names	MIC1; Uncharacterized protein C18orf8; Colon cancer-associated protein Mic1; Mic-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MIC1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

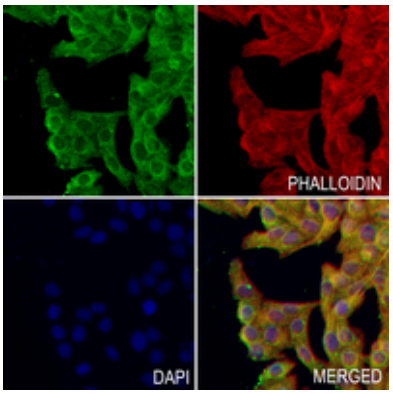
Name	RMC1 (HGNC:24326)
Synonyms	C18orf8, MIC1, WDR98
Function	Component of the CCZ1-MON1 RAB7A guanine exchange factor (GEF). Acts as a positive regulator of CCZ1-MON1A/B function necessary for endosomal/autophagic flux and efficient RAB7A localization (PubMed:29038162).
Cellular Location	Lysosome membrane. Late endosome membrane

Images

Western blot analysis of MIC1 expression in Panc1 (A),



mouse spleen (B), rat spleen (C), mouse brain (D), rat brain (E), HCT116 (F) whole cell lysates. (Predicted band size: 74 kD; Observed band size: 74 kD)



Immunofluorescent analysis of MIC1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.