



Rabbit Anti-Human RAB11 monoclonal antibody, clone 4I29M6 [Alexa Fluor 488] (CABT-L1562)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with bovine, chicken, equine, mouse, primate, rat, Xenopus and zebrafish based on sequence homology
Target	RAB11A
Immunogen	A peptide corresponding to amino acids 179-194 of human Rab11.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	4I29M6
Purification	Protein A Purified
Conjugate	Alexa Fluor 488
Applications	ICC, IF
Format	Liquid
Concentration	1 mg/ml
Size	50 µl
Buffer	PBS, pH 7.4, with 1mg/ml BSA

Preservative	0.05% Sodium Azide
Storage	4°C, store in dark, DO NOT FREEZE!

BACKGROUND

Introduction	Rab11A is a member of the YPT-1 subfamily of Ras-related GTP-binding proteins. Rab11A mRNA has been detected in a variety of tissues including brain, testis, spleen, heart, and gastrointestinal mucosa. In the gastric fundus the Rab11A protein is expressed in parietal cell tubulovesicles membranes. Expression of the Rab11A protein appears to occur in discrete epithelial cell populations where it localizes to apical vesicular populations. Recent studies have shown Rab11A is essential for resecretion of alpha-synuclein out of neuronal cells via endosome recycling and is required for exocytosis of discoidal/fusiform vesicles of bladder umbrella cells. Rab11A is also implicated in biogenesis of Birbeck granules and endosomal activation of the PI3K/AKT signaling pathway via G beta gamma trafficking.
Keywords	RAB11A;RAB11A, member RAS oncogene family;ras-related protein Rab-11A;YL8;rab-11;RAB 11A, member oncogene family;MGC1490

GENE INFORMATION

Entrez Gene ID	8766
UniProt ID	P62491