

Anti-RAB7L1 Antibody

Rabbit polyclonal antibody to RAB7L1
Catalog # AP59762

Product Information

Application	WB
Primary Accession	Q14966
Other Accession	Q91YQ1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23155

Additional Information

Gene ID	8934
Other Names	Ras-related protein Rab-7L1; Rab-7-like protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB7L1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	RAB29
Synonyms	RAB7L1
Function	The small GTPases Rab are key regulators in vesicle trafficking (PubMed: 24788816). Essential for maintaining the integrity of the endosome-trans-Golgi network structure (By similarity). Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner (PubMed: 24788816). Recruits LRRK2 to the Golgi complex and stimulates LRRK2 kinase activity (PubMed: 29212815 , PubMed: 38127736). Stimulates phosphorylation of RAB10 'Thr-73' by LRRK2 (PubMed: 38127736). Regulates neuronal process morphology in the intact central nervous system (CNS) (By similarity). May play a role in the formation of typhoid toxin transport intermediates during Salmonella enterica serovar Typhi (S.typhi) epithelial cell infection

(PubMed:[22042847](#)).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm. Cytoplasm, perinuclear region. Golgi apparatus. Golgi apparatus membrane. Golgi apparatus, trans-Golgi network. Vacuole. Cytoplasm, cytoskeleton. Note=Colocalizes with LRRK2 along tubular structures emerging from Golgi apparatus (PubMed:29212815) Colocalizes with GM130 at the Golgi apparatus (PubMed:22042847) Colocalizes with dynamic tubules emerging from and retracting to the Golgi apparatus (PubMed:22042847, PubMed:38127736). Colocalizes with TGN46 at the trans-Golgi network (TGN) (PubMed:24788816). In *Salmonella enterica* serovar Typhi (*S.typhi*) infected epithelial cells, is recruited and colocalized with both *S.typhi*-containing vacuoles and dynamic tubules as well as those emerging from the vacuole toward the cell periphery (PubMed:22042847).

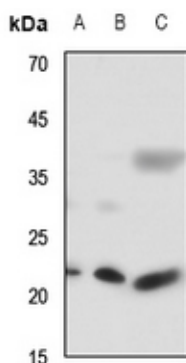
Tissue Location

Ubiquitous..

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB7L1. The exact sequence is proprietary.

Images



Western blot analysis of RAB7L1 expression in mouse lung (A), mouse kidney (B), rat kidney (C) whole cell lysates.

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