

Anti-RAB30 Antibody

Catalog # AP53732

Product Information

Application	WB
Primary Accession	Q15771
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23058

Additional Information

Gene ID	27314
Other Names	Ras-related protein Rab-30
Target/Specificity	Recognizes endogenous levels of RAB30 protein.
Dilution	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

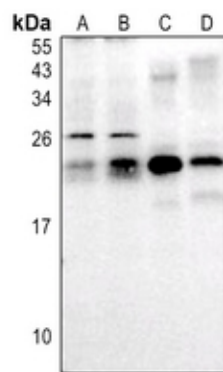
Name	RAB30 (HGNC:9770)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed:22188167). RAB30 is required for maintaining the structural integrity of the Golgi apparatus, possibly by mediating interactions with cytoplasmic scaffolding proteins (PubMed:22188167). Facilitates lipid homeostasis during fasting by regulating hepatic protein and lipid trafficking in a PPAR-alpha-dependent manner (By similarity). Promotes autophagosome biogenesis during bacterial infection such as group A Streptococcus infection (PubMed:26771875).
Cellular Location	Membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus, trans- Golgi network membrane. Golgi apparatus, cis-Golgi network membrane. Golgi apparatus membrane. Cytoplasm. Cytoplasmic vesicle, autophagosome membrane. Autolysosome membrane. Note=Localized to dynamic

membranes fusing to and exiting from the Golgi apparatus (By similarity)
Localized to group A Streptococcus (GAS)-containing autophagosome to autolysosome in GAS-infected epithelial cells (PubMed:26771875). Also colocalized with a starvation-induced autophagosome although not required for autophagosome formation during starvation (PubMed:26771875).
{ECO:0000250 | UniProtKB:Q923S9, ECO:0000269 | PubMed:26771875}

Background

Rabbit polyclonal antibody to RAB30

Images



Western blot analysis of RAB30 expression in LO2 (A), EC9706 (B), mouse brain (C), rat kidney (D) whole cell lysates.

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