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RAB30 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15347

Product Information

Application	WB
Primary Accession	Q15771
Other Accession	NM_014488, NP_055303
Reactivity	Human, Mouse, Rat, Rabbit, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Goat, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23058

Additional Information

Gene ID	27314
Other Names	Ras-related protein Rab-30, RAB30
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-RAB30 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	RAB30 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

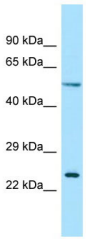
Name	RAB30 (HGNC:9770)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different 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}

References

Chen D.,et al.Gene 174:129-134(1996).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Taylor T.D.,et al.Nature 440:497-500(2006).

Images



WB Suggested Anti-RAB30 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Lung

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