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Anti-RAB26 Antibody

Catalog # AP59825

Product Information

Application	WB, IF/IC
Primary Accession	Q9ULW5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27900

Additional Information

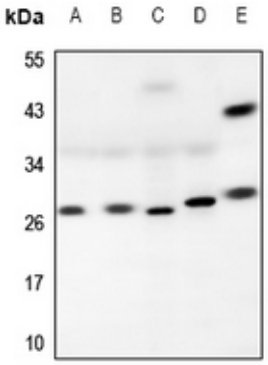
Gene ID	25837
Other Names	Ras-related protein Rab-26
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human RAB26. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium 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

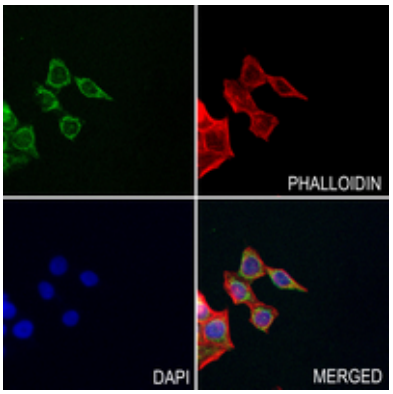
Name	RAB26 (HGNC:14259)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). RAB26 mediates transport of ADRA2A and ADRA2B from the Golgi to the cell membrane (PubMed:23105096). Plays a role in the maturation of zymogenic granules and in pepsinogen secretion in the stomach (PubMed:20038531). Plays a role in the secretion of amylase from acinar granules in the parotid gland (By similarity).
Cellular Location	Golgi apparatus membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle, secretory vesicle membrane; Lipid-anchor; Cytoplasmic side. Note=Not localized at the plasma membrane (By similarity). Inhibition of S-geranylgeranyl cysteine formation abolishes membrane location. {ECO:0000250|UniProtKB:P51156}

Tissue Location	Predominantly expressed in brain.

Images



Western blot analysis of RAB26 expression in A549 (A), HepG2 (B), LO2 (C), C6 (D), mouse brain (E) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 28 kD)



Immunofluorescent analysis of RAB26 staining in HepG2 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'.