

Anti-RAB6A Antibody

Rabbit polyclonal antibody to RAB6A

Catalog # AP60503

Product Information

Application	WB, IHC
Primary Accession	P20340
Other Accession	P35279
Reactivity	Human, Mouse, Rat, Zebrafish, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23593

Additional Information

Gene ID	5870
Other Names	RAB6; Ras-related protein Rab-6A; Rab-6
Target/Specificity	Recognizes endogenous levels of RAB6A protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
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	RAB6A (HGNC:9786)
Synonyms	RAB6
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed: 25962623). 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: 25962623). RAB6A acts as a regulator of COPI-independent retrograde transport from the Golgi apparatus towards the endoplasmic reticulum (ER) (PubMed: 25962623). Has a low GTPase activity (PubMed: 25962623). Recruits VPS13B to the Golgi membrane (PubMed: 25492866). Plays a role in neuron projection development (Probable).

Cellular Location

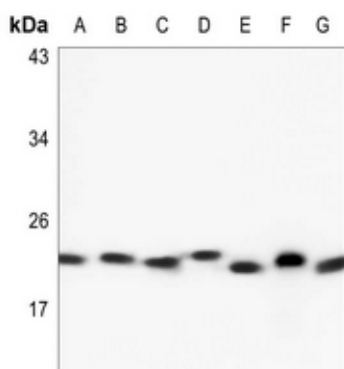
Golgi apparatus membrane; Lipid- anchor. Cytoplasmic vesicle, secretory vesicle, acrosome membrane {ECO:0000250|UniProtKB:P35279}; Peripheral membrane protein. Note=BICD2 facilitates its targeting to Golgi apparatus membrane. [Isoform 2]: Golgi apparatus membrane; Lipid-anchor

Tissue Location

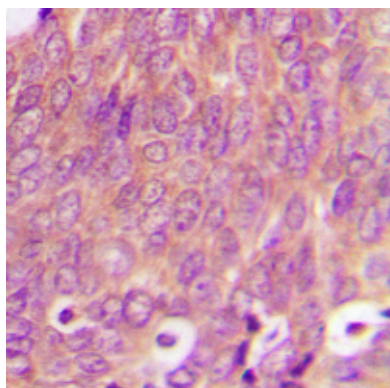
Ubiquitous..

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB6A. The exact sequence is proprietary.

Images

Western blot analysis of RAB6A expression in MEF (A), H1792 (B), MCF7 (C), mouse kidney (D), mouse testis (E), rat kidney (F), rat testis (G) whole cell lysates.



Immunohistochemical analysis of RAB6A staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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