

**RAB28 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16985c****Specification**

---

**RAB28 Antibody (Center) - Product Information**

Application	WB, FC, IHC-P-Leica,E
Primary Accession	<a href="#">P51157</a>
Other Accession	<a href="#">NP_004240.2</a> , <a href="#">NP_001017979.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	119-147

**RAB28 Antibody (Center) - Additional Information****Gene ID** 9364**Other Names**

Ras-related protein Rab-28, RAB28

**Target/Specificity**

This RAB28 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-147 amino acids from the Central region of human RAB28.

**Dilution**

WB~~1:1000

FC~~1:25

IHC-P-Leica~~1:500

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RAB28 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RAB28 Antibody (Center) - Protein Information****Name** RAB28 ([HGNC:9768](#))

**Function** The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed:[8647132](#)). 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:[8647132](#)). RAB28 is required for shedding and phagocytosis of cone cell outer segments (OS) discs in the retina (By similarity). Also participates in nuclear factor kappa-B p65/RELA nuclear transport in endothelial cells (By similarity).

#### Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:P51158}. Cytoplasm {ECO:0000250|UniProtKB:P51158}. Nucleus {ECO:0000250|UniProtKB:P51158} Note=Expressed in the basal body and ciliary rootlet of the photoreceptor cells (By similarity). Localized in the cytoplasm and the nucleus of vascular endothelial cells (By similarity) {ECO:0000250|UniProtKB:P51158}

#### Tissue Location

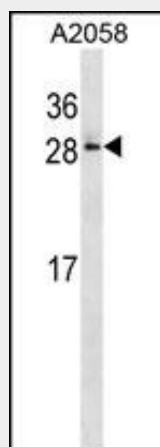
[Isoform S]: Isoform S is detected in most tissues investigated: cortex, liver, kidney, skeletal muscle, adipose tissue, testis, urothelium, lung, bone marrow and retinal pigment epithelium (RPE). [Isoform 3]: Isoform 3 is highly expressed in heart, lung, bone marrow, retina, brain, and RPE

### RAB28 Antibody (Center) - Protocols

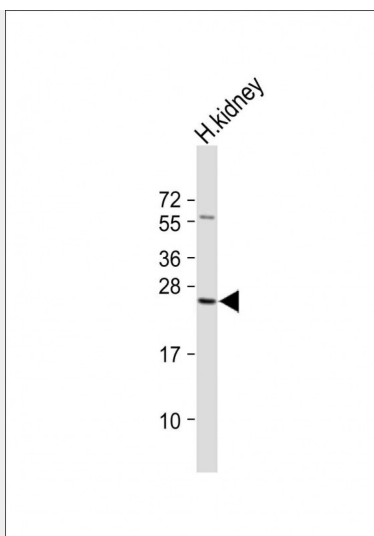
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

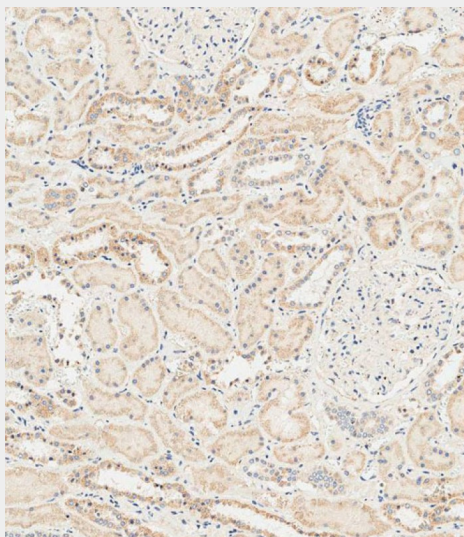
### RAB28 Antibody (Center) - Images



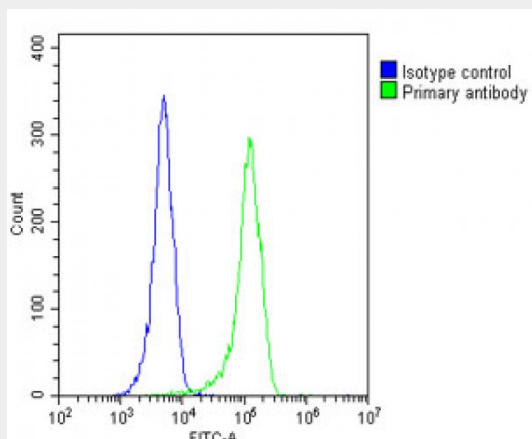
RAB28 Antibody (Center) (Cat. #AP16985c) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the RAB28 antibody detected the RAB28 protein (arrow).



Anti-RAB28 Antibody (Center) at 1:1000 dilution + Human kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using AP16985c performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Overlay histogram showing A2058 cells stained with AP16985c(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### **RAB28 Antibody (Center) - Background**

This gene encodes a member of the Rab subfamily of Ras-related small GTPases. The encoded protein may be involved in regulating intracellular trafficking. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 9 and X.

#### **RAB28 Antibody (Center) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Lee, S.H., et al. FEBS Lett. 582(29):4107-4111(2008)  
Lamesch, P., et al. Genomics 89(3):307-315(2007)  
Stenmark, H., et al. Genome Biol. 2 (5), REVIEWS3007 (2001) :  
Pereira-Leal, J.B., et al. J. Mol. Biol. 301(4):1077-1087(2000)