

RAB30 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57633

Specification

RAB30 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Physical State

O15771
Rat
Rabbit
Polyclonal
23 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human RAB30

Epitope Specificity 131-203/203

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane.

SIMILARITY Belongs to the small GTPase superfamily.

Rab family.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

RAB30 Polyclonal Antibody - Additional Information

Gene ID 27314

Other Names

Ras-related protein Rab-30, RAB30

Dilution

IHC-P~~N/A<br \><span class</pre>

="dilution IHC-F">IHC-F~~N/A<br \><span class

="dilution_IF">IF \sim 1:50 \sim 200<br\>ICC \sim N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

RAB30 Polyclonal Antibody - Protein Information

Name RAB30 (<u>HGNC:9770</u>)



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/a>).

Cellular Location

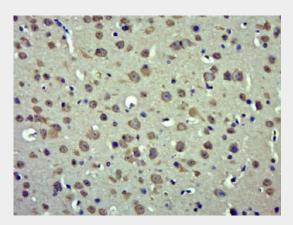
Membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus, trans- Golgi network membrane. Golgi apparatus, cis-Golgi network membrane. Golgi apparatus membrane. Cytoplasm. Cytoplasmic vesicle, autophagosome membrane. Autolysosome membrane. Note=Localized to dynamic membranes fusing to and exiting from 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}

RAB30 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RAB30 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20





Tel: 858.875.1900 Fax: 858.875.1999

minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RAB30) Polyclonal Antibody, Unconjugated (bs-19709R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.