
RAB11A Rabbit pAb

Catalog Number: bs-6173R

Target Protein: RAB11A

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Rat (predicted:Human, Mouse, Pig, Sheep, Cow, Chicken, Horse)

Predicted MW: 24 kDa

Subcellular: Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 8766

Swiss Prot: P62491

Source: KLH conjugated synthetic peptide derived from human RAB11A: 45-145/216.

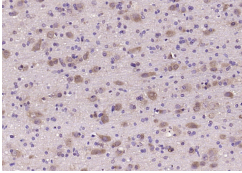
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Rab proteins are low-molecular-weight GTP-binding proteins that form the largest branch of the Ras superfamily of GTPases. Located on the cytoplasmic face of organelles and vesicles, rab proteins are involved in intracellular membrane fusion reactions. Three membrane proteins, synaptosomal associated protein of 25 kDa (SNAP-25), synaptobrevin, and syntaxin, form the core of a ubiquitous membrane fusion machine that interacts with the soluble proteins N-ethylmaleimide-sensitive factor (NSF) and a-SNAP. Rab proteins, in coordination with the core fusion machinery and Munc-18, help to mediate vesicle docking and fusion. There are over 40 Rab proteins in mammals. Rab11a and Rab11b are known markers for protein trafficking, sorting, and recycling in the endosomal pathway. The Rab11 proteins are enriched in recycling endosomes and the trans-Golgi network, where they regulate membrane recycling back to the plasma membrane. Rab11a is ubiquitously expressed, while Rab11b is expressed mainly in the heart and brain.

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Rab11) Polyclonal Antibody, Unconjugated (bs-6173R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=15.8] Zhenyu Wang. et al. Morphology-Mediated Tumor Deep Penetration for Enhanced Near Infrared II Photothermal and Chemotherapy of Colorectal Cancer. ACS NANO. 2024;18(41):28038–28051 IF ; Mouse . 39363419