For Research Use Only

RAB8A Recombinant monoclonal antibody

Catalog Number:86540-5-RR

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Basic Information

Catalog Number:
86540-5-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG30567

GenBank Accession Number:
NM_005370

GeneID (NCBI):
4218

UNIPROT ID:
P61006

Full Name:
RAB8A, member RAS oncogene family

Calculated MW:
24 kDa

Observed MW:
24 kDa

Purification Method:
Protein A purification

CloneNo.:
251429D1

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, A431 cells, HepG2 cells, fetal human brain tissue

Background Information

The Rab8 GTPase is a member of the Ras superfamily that functions in protein transport and membrane restructuring. RAB8 has two isoforms, RAB8A and RAB8B, that share 40% amino acid identity in the C-terminal variable region. RAB8 activity is regulated by specific guanine nucleotide exchange factors (GEFs), that mediate GTP loading, and GTPase activating proteins (GAPs) that convert them into the inactive GDP-bound form. RAB8 participates in recycling of the α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors to the dendritic spine surface as well as in the intracellular transport of the metabotropic glutamate receptor type 1 in neuronal cells. Rab8 is activated at the base of the cilium by its guanine nucleotide exchanger Rabin8. The antibody 11792-1-AP can detect both RAB8A and RAB8B.

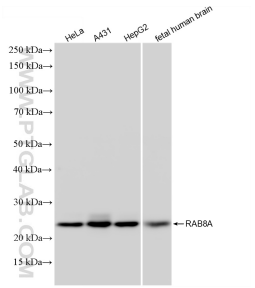
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

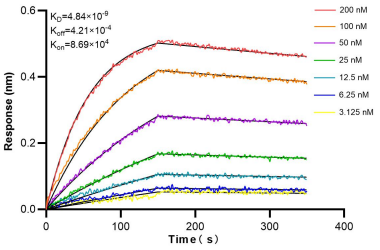
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86540-5-RR (RAB8A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86540-5-RR against Human RAB8A were performed. The affinity constant is 4.84 nM.