

For Research Use Only

RAB33A Monoclonal antibody

Catalog Number: 68389-1-Ig



Basic Information

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| Catalog Number: 68389-1-Ig | GenBank Accession Number: BC009996 | Purification Method: Protein G purification |
| Size: 150ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 9363 | CloneNo.: 1C7F11 |
| Source: Mouse | UNIPROT ID: Q14088 | Recommended Dilutions: WB 1:2000-1:10000 IF 1:200-1:800 |
| Isotype: IgG1 | Full Name: RAB33A, member RAS oncogene family | |
| Immunogen Catalog Number: AG33188 | Calculated MW: 27 kDa | |

Applications

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| Tested Applications: WB, IF, ELISA | Positive Controls: |
| Species Specificity: Human, rat, mouse, pig, rabbit | WB : pig brain tissue, SH-SY5Y cells, rabbit brain tissue, rat brain tissue, mouse brain tissue |
| | IF : Neuro-2a cells, |

Background Information

Ras-related protein Rab-33A (RAB33A) is also named as RABS10, and belongs to the small GTPase superfamily and the Rab family. RAB33A is an X-linked gene that is expressed in brain, lymphocytes, and normal melanocytes, but is downregulated in melanoma cells. In the brain, RAB33A is present throughout the cortex, as well as in the hippocampal CA fields (PMID:16810302). RAB33A is expressed in cells, including neurons, lymphocytes, melanocytes and parotid acinar cells (PMID:16810302, PMID:25871792). In cultured rat hippocampal neurons, RAB33A is localized to the Golgi apparatus and post-Golgi vesicles transported along axons (PMID:22972995). In addition, RAB33A interacts with singar1/RUFY3, which suppresses the formation of surplus axons in cultured hippocampal neurons (PMID:21737958, PMID:17439943).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

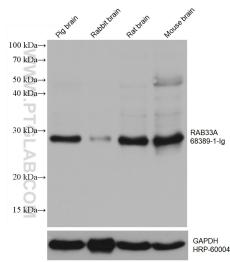
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

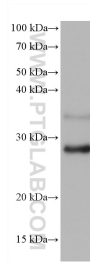
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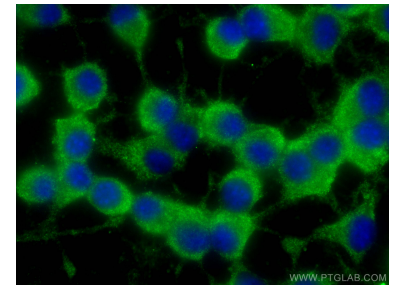
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68389-1-Ig (RAB33A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 68389-1-Ig (RAB33A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Neuro-2a cells using RAB33A antibody (68389-1-Ig, Clone: 1C7F11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).