

For Research Use Only

RAB33A Monoclonal antibody

Catalog Number: 68389-1-Ig **1 Publications**



Basic Information

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

Applications

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

Background Information

Ras-related protein Rab-33A (RAB33A) is also named as RAB33A, 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Zhang	38830762	J Neurosci	IF

Storage

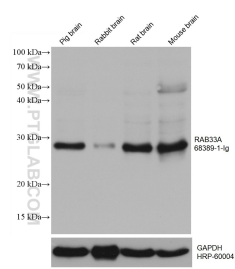
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

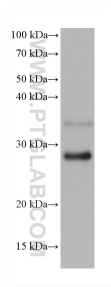
For technical support and original validation data for this product please contact:
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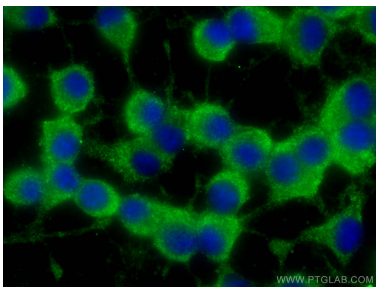
Selected Validation Data



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 Goat Anti-Mouse IgG(H+L).