

For Research Use Only

# RAP2A Monoclonal antibody, PBS Only



Catalog Number: 68368-1-PBS

## Basic Information

<b>Catalog Number:</b> 68368-1-PBS	<b>GenBank Accession Number:</b> BC041333	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 5911	<b>CloneNo.:</b> 1F6F3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P10114	
<b>Isotype:</b> IgG1	<b>Full Name:</b> RAP2A, member of RAS oncogene family	
<b>Immunogen Catalog Number:</b> AG4979	<b>Calculated MW:</b> 183 aa, 21 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, pig, rat, mouse, rabbit

## Background Information

Ras-related protein Rap-2a (RAP2A) is also named as RbBP-30, and belongs to the small GTPase superfamily and Ras family. RAP2A is small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. In its active form, RAP2A can interact with and regulates several effectors including MAP4K4, MINK1 and TNIK. a Nedd4-1/Rap2A/TNIK signaling pathway regulates neurite growth and arborization in mammalian neurons (PMID:20159449). Early research indicated that RAP2A is mainly located in the Golgi apparatus of mammalian cells. RAP2A functions in several cascade signals to regulate biological behaviors such as cytoskeletal rearrangement, cell growth and apoptosis, and cell adhesion and migration (PMID:34018090, PMID:16246175, PMID: 16540189).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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

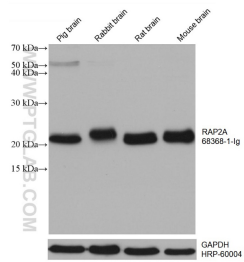
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68368-1-Ig (RAP2A 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. This data was developed using the same antibody clone with 68368-1-PBS in a different storage buffer formulation.