

For Research Use Only

# EIF2B2 Recombinant monoclonal antibody

Catalog Number: 86578-1-RR



## Basic Information

Catalog Number:	86578-1-RR	GenBank Accession Number:	BC011750	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	8892	CloneNo.:	251505G6
Source:	Rabbit	UNIPROT ID:	P49770	Recommended Dilutions:	WB: 1:5000-1:50000 IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC: 1:250-1:1000
Isotype:	IgG	Full Name:	eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa		
Immunogen Catalog Number:	AG1502	Calculated MW:	39 kDa		
		Observed MW:	39 kDa		

## Applications

Tested Applications:	WB, IHC, IP, ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat	WB:	A431 cells, IMR-32 cells, HEK-293 cells, K-562 cells, Neuro-2a cells, NIH/3T3 cells, C6 cells
		IP:	A431 cells,
		IHC:	rat brain tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0;</b> (*) Alternatively, antigen retrieval may be performed with <b>citrate buffer pH 6.0</b>			

## Storage

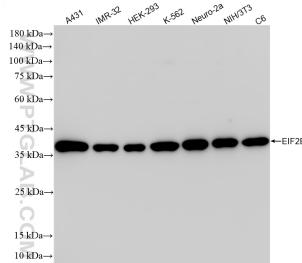
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

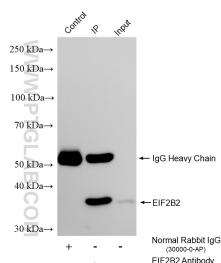
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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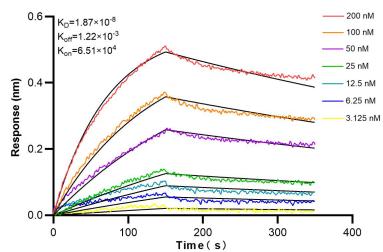
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86578-1-RR (EIF2B2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 86578-1-RR (EIF2B2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 86578-1-RR against Human EIF2B2 were performed. The affinity constant is 18.7 nM.