

For Research Use Only

EIF2B5 Polyclonal antibody

Catalog Number: 29935-1-AP



Basic Information

Catalog Number: 29935-1-AP	GenBank Accession Number: NM_003907.2	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 8893	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800 IF 1:200-1:800
Source: Rabbit	Full Name: eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa	
Isotype: IgG	Calculated MW: 80 kDa	
Immunogen Catalog Number: AG32175	Observed MW: 65-80 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A549 cells, HEK-293T cells, HT-29 cells, HeLa cells, Jurkat cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

IHC: human colon cancer tissue,

IF: MCF-7 cells,

Background Information

EIF2B5 encodes translation initiation factor eIF-2B subunit epsilon protein (PMID 8688466). EIF2B5 mutations compromise the induction of GFAP-expressing astrocytes in VWM (vanishing white matter) leukodystrophy (PMID:15723074, PMID:15776425). The upregulation of EIF2B5 is associated with cancer such as human pulmonary adenocarcinoma cell and breast cancer (PMID:24366584, PMID:24979338). EIF2B5 also has 65kDa truncated protein isoform (PMID:28961236).

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

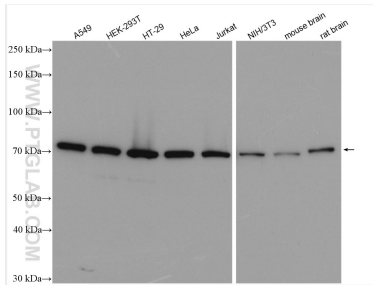
For technical support and original validation data for this product please contact:

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

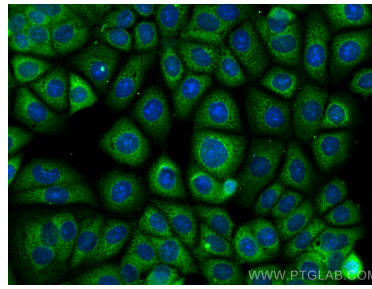
E: proteintech@ptglab.com
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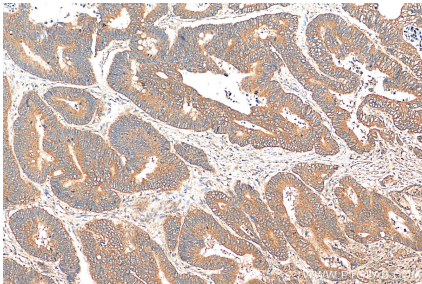
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29935-1-AP (EIF2B5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using EIF2B5 antibody (29935-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29935-1-AP (EIF2B5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29935-1-AP (EIF2B5 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).