For Research Use Only

EIF2S1 Polyclonal antibody Catalog Number: 11170-1-AP Featured Product

Featured Product 95 Publications



| Basic Information | Catalog Number: 11170-1-AP | GenBank Accession Number: BC002513 | | Purification Method: Antigen affinity purification | |
|------------------------|---|---|--|---|--|
| | Concentration: | GenelD (NCB | il): | Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate | |
| | 300 ug/ml | 1965 | | | |
| | Source: Rabbit | UNIPROT ID: | | | |
| | Isotype: IgG Immunogen Catalog Number: AG1645 | P05198 Full Name: | | IHC 1:50-1:500 | |
| | | eukaryotic tr | anslation initiation ınit 1 alpha, 35kDa | IF/ICC 1:50-1:500 | |
| | | Calculated MW: 36 kDa | | | |
| | | Observed MV | V: | | |
| | | 36 kDa | | | |
| Applications | Tested Applications: | | Positive Cor | Positive Controls: | |
| | WB, IHC, IF/ICC, FC (Intra), IP, ELI | 5A | | WB : MCF-7 cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, HSC-T6 cells, PC-12 cells, mouse brain tissue, rat brain tissue IP : HepG2 cells, | |
| | Cited Applications: WB, IHC, IF, IP | | | | |
| | Species Specificity: | | IP : HepG2 ce | | |
| | Cited Species: | | IHC : rat colo | IHC : rat colon tissue, | |
| | | | IF/ICC : Hep | G2 cells, | |
| | retrieval may be performed with citrate buffer pH 6.0 | | | | |
| | | | | | |
| Background Information | 40S ribosomal subunit, followed ribosomal subunit to form the 80S release of an eIF-2-GDP binary co GDP bound to eIF-2 must exchang EIF2S1 (Gene ID: 1965) share the | e binding of the ir by mRNA binding i initiation comple mplex. In order fo re with GTP by wa EIF2A symbol/ali of these proteins | nitiator tRNA to 40S rib to form a 43S preinitian ex is preceded by hydro r eIF-2 to recycle and c y of a reaction catalyze as in common. EIF2S1 i function in binding ini | olysis of the GTP bound to eIF-2 and atalyze another round of initiation, the of by eIF-2B. EIF2A (Gene ID: 83939) and is the alpha subunit of the eIF2 translation tiator tRNA to the 40S ribosomal subunit, | |
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| | Author I Yu Sun Sang Sang Sang Sang Sang Sang Sang San | e binding of the ir by mRNA binding i initiation complemplex. In order for e with GTP by wa EIF2A symbol/ali of these proteins on-dependent ma Pubmed ID 54562065 | hitiator tRNA to 40S rib to form a 43S preinitian ex is preceded by hydro r eIF-2 to recycle and c y of a reaction catalyze as in common. EIF2S1 i function in binding ini inner, whereas eIF2 cor Journal J Cell Mol Med | biomal subunits. This complex binds to a cion complex. Junction of the 60S olysis of the GTP bound to eIF-2 and atalyze another round of initiation, the d by eIF-2B. EIF2A (Gene ID: 83939) and is the alpha subunit of the eIF2 translation tiator tRNA to the 40S ribosomal subunit, nplex requires GTP. Application WB WB | |

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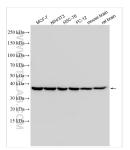
For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com

W: ptgcn.com

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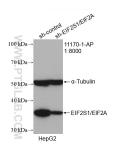
Selected Validation Data

temperature for 1.5 hours.

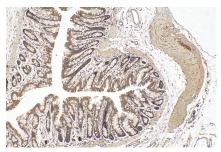


Various lysates were subjected to SDS PAGE followed by western blot with 11170-1-AP (EIF2S1 antibody) at dilution of 1:15000 incubated at room WWW PTGLAB.CO

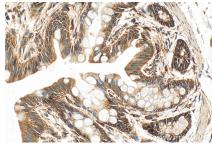
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using EIF2S1/EIF2A antibody (11170-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



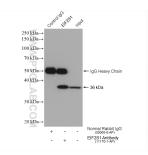
WB result of EIF2S1/EIF2A antibody (11170-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF2S1/EIF2A transfected HepC2 cells.



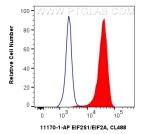
Immunohistochemical analysis of paraffinembedded rat colon tissue slide using 11170-1-AP (EIF2S1/EIF2A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded rat colon tissue slide using 11170-1-AP (EIF2S1/EIF2A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EIF2S1/EIF2A (IP:11170-1-AP, 4ug; Detection:11170-1-AP 1:8000) with HepG2 cells lysate 1640 ug.



1X10^6 MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human EIF251/EIF2A (11170-1-AP) and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).