For Research Use Only

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

Featured Product 102 Publications



| Basic Information | Catalog Number: 11170-1-AP | GenBank Accession Number: BC002513 | Purification Method: Antigen affinity purification |
|------------------------|---|--|---|
| | Size: 150ul , Concentration: 300 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG | GenelD (NCBI): 1965 UNIPROT ID: | Recommended Dilutions: WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total |
| | | P05198 Full Name: | protein lysate IHC: 1:50-1:500 IF/ICC: 1:50-1:500 |
| | | eukaryotic translation initiati factor 2, subunit 1 alpha, 35kD | on FC (Intra): 0.40 ug per 10^6 cells in a |
| | Immunogen Catalog Number: AG1645 | Calculated MW: 36 kDa | |
| | | Observed MW: 36 kDa | |
| Applications | Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA | Positive Controls: | |
| | VVD.MCF-/ | | ICF-7 cells, HepG2 cells, Jurkat cells, NIH/3T3 ISC-T6 cells, PC-12 cells, mouse brain tissue, rat issue |
| | | | |
| | human, mouse, rat | IHC : ra | at colon tissue, |
| | Cited Species: human, mouse, rat, pig, chicken | IF/ICC | : HepG2 cells, |
| | Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | | |
| | bujjer pri 6.0 | | |
| Background Information | EIF2S1 is one subunit of the translati synthesis initiation, promoting the b 40S ribosomal subunit, followed by r ribosomal subunit to form the 80S in release of an eIF-2-GDP binary comp GDP bound to eIF-2 must exchange w EIF2S1 (Gene ID: 1965) share the EIF | inding of the initiator tRNA to 4 nRNA binding to form a 43S pre itiation complex is preceded by lex. In order for eIF-2 to recycle <i>i</i> th GTP by way of a reaction ca 2A symbol/alias in common. EI these proteins function in bindi | catalyzes the first regulated step of protein OS ribosomal subunits. This complex binds to a initiation complex. Junction of the 6OS r hydrolysis of the GTP bound to eIF-2 and and catalyze another round of initiation, the talyzed by eIF-2B. EIF2A (Gene ID: 83939) and F2S1 is the alpha subunit of the eIF2 translation ing initiator tRNA to the 4OS ribosomal subunit, F2 complex requires GTP. |
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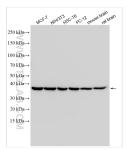
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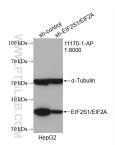
Selected Validation Data

temperature for 1.5 hours.

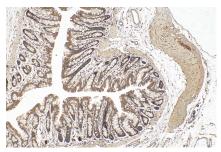


Various lysates were subjected to SDS PAGE followed by western blot with 11170-1-AP (EIF2S1 antibody) at dilution of 1:15000 incubated at room WWW PTGLAB. CC

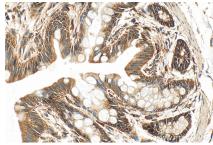
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using EIF2S1/EIF2A antibody (11170-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



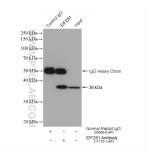
WB result of EIF2S1/EIF2A antibody (11170-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF2S1/EIF2A transfected HepC2 cells.



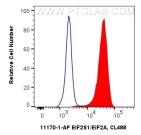
Immunohistochemical analysis of paraffinembedded rat colon tissue slide using 11170-1-AP (EIF2S1/EIF2A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).