

For Research Use Only

CUGBP2 Polyclonal antibody

Catalog Number: 12921-1-AP **4 Publications**



Basic Information

Catalog Number: 12921-1-AP	GenBank Accession Number: BC036391	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1200 µg/ml by Nanodrop;	GeneID (NCBI): 10659	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: CUG triplet repeat, RNA binding protein 2	
Isotype: IgG	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG3594	Observed MW: 50 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: HeLa cells, mouse thymus tissue, K-562 cells, MCF-7 cells
Species Specificity: human, mouse	IP: mouse skeletal muscle tissue,
Cited Species: human, mouse	IHC: human breast cancer tissue, IF: 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

Background Information

The CELF (CUGBP and ETR-3 Like Factor)/Bruno-like protein family plays important roles in the regulation of alternative splicing and translation. CUGBP2 is a member of this family of proteins that possesses several alternatively spliced exons. CUGBP2 induces smooth muscle-specific exon inclusion via binding to uridine purine repeat elements (URE) in ACTN1. Although CUGBP2 is known as a splicing activator for the N-methyl-D-aspartate receptor 1 (NMDA R1) exon 21, CUGBP2 represses NMDA R1 exon 5 inclusion. In addition, CUGBP2 was reported to repress the inclusion of the I_r exon 11.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Zhang	36336217	Pharmacol Res	WB,IF
Liuqing Ge	33969722	Exp Biol Med (Maywood)	WB
Bo Li	28881683	Oncotarget	WB

Storage

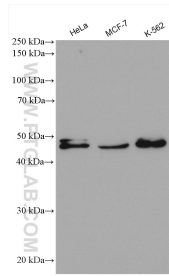
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

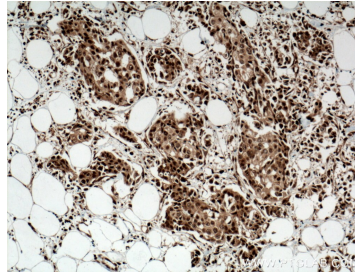
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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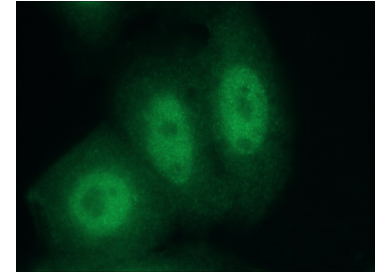
Selected Validation Data



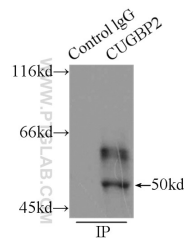
Various lysates were subjected to SDS PAGE followed by western blot with 12921-1-AP (CUGBP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12921-1-AP (CUGBP2 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 12921-1-AP (CUGBP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-CUGBP2 (IP:12921-1-AP, 3ug; Detection:12921-1-AP 1:300) with mouse skeletal muscle tissue lysate 7500ug.