

For Research Use Only

CUGBP2 Polyclonal antibody

Catalog Number: 12921-1-AP

5 Publications



Basic Information

Catalog Number:

12921-1-AP

Size:

150ul, Concentration: 1200 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3594

GenBank Accession Number:

BC036391

GeneID (NCBI):

10659

UNIPROT ID:

O95319

Full Name:

CUG triplet repeat, RNA binding protein 2

Calculated MW:

56 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

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/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

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 : HeLa cells, mouse thymus tissue, K-562 cells, MCF-7 cells

IP : mouse skeletal muscle tissue,

IHC : human breast cancer tissue,

IF/ICC : HepG2 cells,

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 α 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

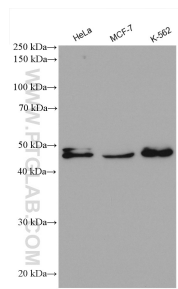
For technical support and original validation data for this product please contact:

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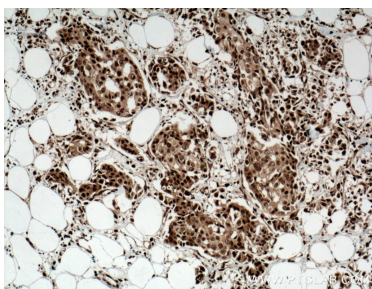
E: proteintech@ptglab.com
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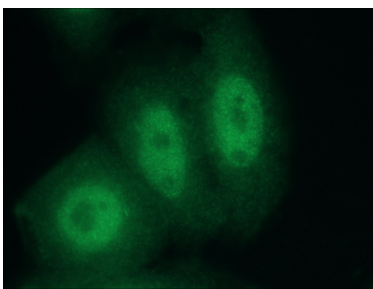
Selected Validation Data



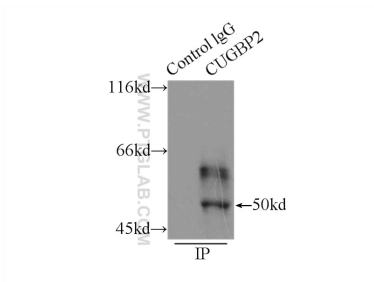
Various lysates were subjected to SDS PAGE followed by western blot with 12921-1-AP (CUGBP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 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.