

## CUGBP2 Polyclonal Antibody

Catalog number: 12921-1-AP

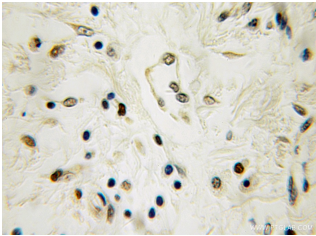
Size: 76 µg/150 µl

Source: Rabbit

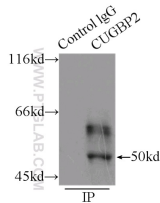
Isotype: IgG

Synonyms:

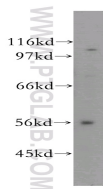
CUGBP2; Bruno like protein 3, BRUNOL3, CELF 2, CELF2, CUGBP2, CUGBP2, ETR 3, ETR3, hNAPOR, NAPOR, RNA binding protein BRUNOL 3



Immunohistochemical of paraffin-embedded human breast cancer using 12921-1-AP (CUGBP2 antibody) at dilution of 1:100 (under 10x lens)



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



K-562 cells were subjected to SDS PAGE followed by western blot with 12921-1-AP (CUGBP2 antibody) at dilution of 1:300

### Background

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 Irexon 11

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat, Zebrafish; other species not tested.
Cited species:	Mouse
Calculated CUGBP2 MW:	56 kDa
Observed CUGBP2 MW:	50 kDa
Positive WB detected in	K-562 cells, mouse thymus tissue
Positive IP detected in	Mouse skeletal muscle tissue
Positive IHC detected in	Human breast cancer tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag3594
GenBank accession number:	BC036391
Gene ID (NCBI):	10659
Full name:	CUG triplet repeat, RNA binding protein 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.