

## **BRUNOL5 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18320c

### **Specification**

# **BRUNOL5 Antibody (Center) - Product Information**

**Application** WB,E **Primary Accession 08N6W0** Other Accession NP 068757.2 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 52355 Antigen Region 195-222

# **BRUNOL5 Antibody (Center) - Additional Information**

#### **Gene ID** 60680

#### **Other Names**

CUGBP Elav-like family member 5, CELF-5, Bruno-like protein 5, CUG-BP- and ETR-3-like factor 5, RNA-binding protein BRUNOL-5, CELF5, BRUNOL5

### Target/Specificity

This BRUNOL5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-222 amino acids from the Central region of human BRUNOL5.

### **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

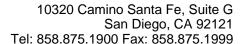
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

BRUNOL5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# **BRUNOL5 Antibody (Center) - Protein Information**

#### Name CELF5





# **Synonyms** BRUNOL5

**Function** RNA-binding protein implicated in the regulation of pre-mRNA alternative splicing. Mediates exon inclusion and/or exclusion in pre- mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. Binds to muscle-specific splicing enhancer (MSE) intronic sites flanking the alternative exon 5 of TNNT2 pre-mRNA.

**Cellular Location** Nucleus. Cytoplasm.

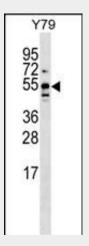
**Tissue Location** Expressed in brain..

# **BRUNOL5 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

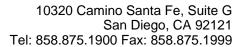
## **BRUNOL5 Antibody (Center) - Images**



BRUNOL5 Antibody (Center) (Cat. #AP18320c) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the BRUNOL5 Antibody detected the BRUNOL5 protein (arrow).

### **BRUNOL5 Antibody (Center) - Background**

Members of the CELF/BRUNOL protein family contain two N-terminal RNA recognition motif (RRM) domains, one C-terminal RRM domain, and a divergent segment of 160-230 aa between the second and third RRM domains. Members of this protein family regulate pre-mRNA alternative splicing and may also be involved in mRNA





editing, and translation. Alternatively spliced transcript variants have been identified in this gene.

# **BRUNOL5 Antibody (Center) - References**

Ladd, A.N., et al. Mol. Cell. Biol. 21(4):1285-1296(2001) Good, P.J., et al. J. Biol. Chem. 275(37):28583-28592(2000)