

For Research Use Only

BRUNOL5 Polyclonal antibody

Catalog Number: 13557-1-AP



Basic Information

Catalog Number:

13557-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4416

GenBank Accession Number:

BC028101

GeneID (NCBI):

60680

UNIPROT ID:

Q8N6W0

Full Name:

bruno-like 5, RNA binding protein
(Drosophila)

Calculated MW:

485 aa, 52 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

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, U-251 cells

IHC : mouse brain tissue, human gliomas tissue, rat brain tissue

IF/ICC : U-87 MG cells,

Background Information

BRUNOL5, also named CELF5, is a 485 amino acid protein, which belongs to the CELF/BRUNOL family. BRUNOL5 is expressed in the brain and localizes in the nucleus. BRUNOL5 is an RNA-binding protein implicated in the regulation of pre-mRNA alternative splicing and mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. BRUNOL5 specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. BRUNOL5 exists in two isoforms with MV 52 and 45 kDa.

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

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

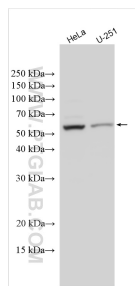
T: 4006900926

E: Proteintech-CN@ptglab.com

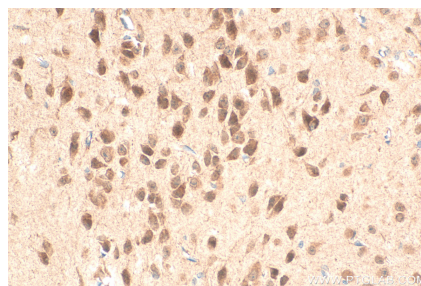
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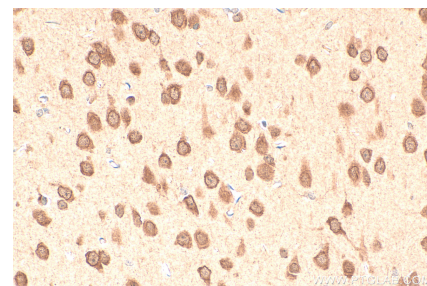
Selected Validation Data



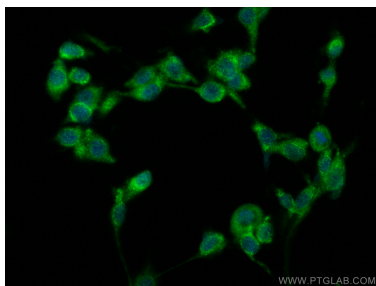
Various lysates were subjected to SDS PAGE followed by western blot with 13557-1-AP (BRUNOL5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13557-1-AP (BRUNOL5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 13557-1-AP (BRUNOL5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U-87 MG cells using BRUNOL5 antibody (13557-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).