

For Research Use Only

# BRUNOL5 Polyclonal antibody

Catalog Number: 13557-1-AP



## Basic Information

<b>Catalog Number:</b> 13557-1-AP	<b>GenBank Accession Number:</b> BC028101	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 60680	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N6W0	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> bruno-like 5, RNA binding protein (Drosophila)	<b>IF/ICC 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG4416	<b>Calculated MW:</b> 485 aa, 52 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HeLa cells, U-251 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue, human gliomas tissue, rat brain tissue
	<b>IF/ICC :</b> 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

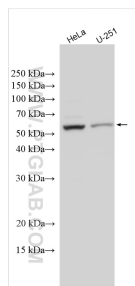
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

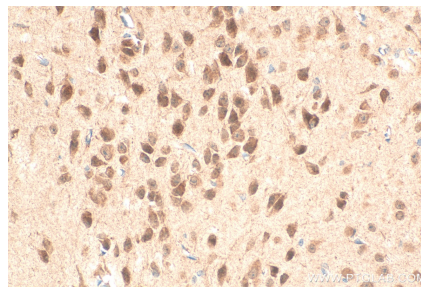
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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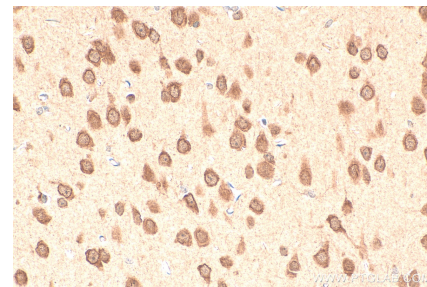
## Selected Validation Data



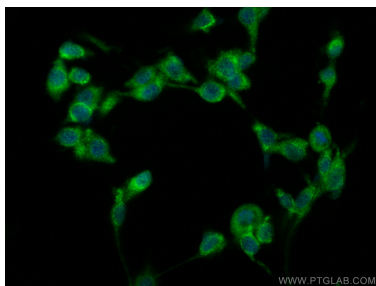
Various lysates were subjected to SDS PAGE followed by western blot with 13557-1-AP (BRUNOL5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L) (SA00013-2).