

For Research Use Only

# BRWD1 Polyclonal antibody

Catalog Number: 29293-1-AP



## Basic Information

<b>Catalog Number:</b> 29293-1-AP	<b>GenBank Accession Number:</b> BC064602	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54014	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NSI6	
<b>Isotype:</b> IgG	<b>Full Name:</b> bromodomain and WD repeat domain containing 1	
<b>Immunogen Catalog Number:</b> AG30902	<b>Calculated MW:</b> 2320 aa, 263 kDa	
	<b>Observed MW:</b> 263 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, MCF-7 cells, NIH/3T3 cells IHC : mouse cerebellum tissue,
<b>Species Specificity:</b> Human, mouse	
<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>	

## Background Information

BRWD1 (Bromodomain and WD repeat domain containing 1, also known as WDR9) has a predicted molecular weight of 263 kDa and contains tandem BROMO domains and WD40 repeats (PMID:12889071). One of the remarkable functions of BRWD1 was the coordinated repression of MYC and MYC target genes. At the Myc/MYC locus, in both mice and humans, BRWD1 specifically repressed distal enhancers, which are associated with lineage specific expression (PMID:30250168). In addition, BRWD1 as a key epigenomic mediator of normal neurodevelopment and an important contributor to DS (Down syndrome)-related phenotypes (PMID:36289231).

## Storage

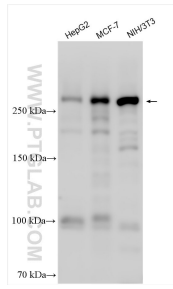
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

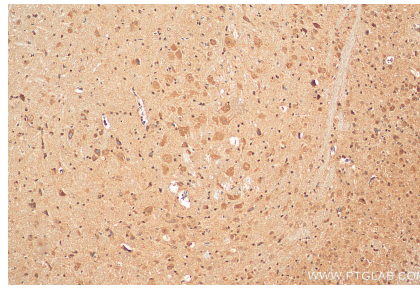
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

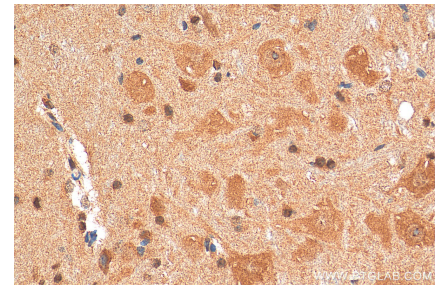
## Selected Validation Data



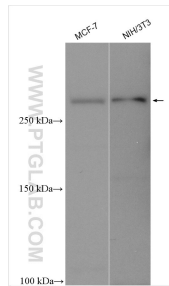
Various lysates were subjected to SDS PAGE followed by western blot with 29293-1-AP (BRWD1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 29293-1-AP (BRWD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 29293-1-AP (BRWD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 29293-1-AP (BRWD1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.