

For Research Use Only

# BRD3 Recombinant monoclonal antibody

Catalog Number: 87030-3-RR



## Basic Information

<b>Catalog Number:</b> 87030-3-RR	<b>GenBank Accession Number:</b> BC032124	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8019	<b>CloneNo.:</b> 252143C1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15059	<b>Recommended Dilutions:</b> WB: 1:500-1:2000 IF/ICC: 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> bromodomain containing 3	
<b>Immunogen Catalog Number:</b> AG2433	<b>Calculated MW:</b> 556 aa, 61 kDa	
	<b>Observed MW:</b> 95-105 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> HeLa cells, NIH/3T3 cells, Y79 cells, HepG2 cells, HEK-293 cells, Jurkat cells
	<b>IF/ICC :</b> HeLa cells,

## Background Information

BRD3 belongs to the BET family that a small group of unique, highly conserved bromodomain-containing genes with four members in mouse and human. There are BRD2, BRD3, BRD4 and BRDT. And BET family proteins all localize in the nucleus, and contain two tandem N-terminal BRDs, an extra-terminal (ET) domain and a more divergent C-terminal recruitment domain (PMID:25849938). BRD2, BRD3, and BRD4 play key roles in transcription of genes required for both inflammation and cancer. Northern hybridization revealed that BRD3 is most abundant in testis, ovary, placenta, uterus, and brain (PMID:15261828; PMID:27451123).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

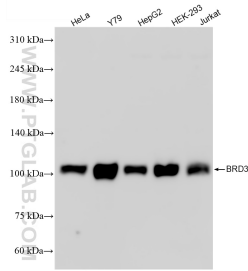
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

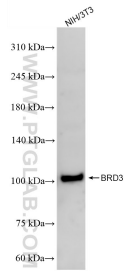
E: proteintech@ptglab.com  
W: ptglab.com

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

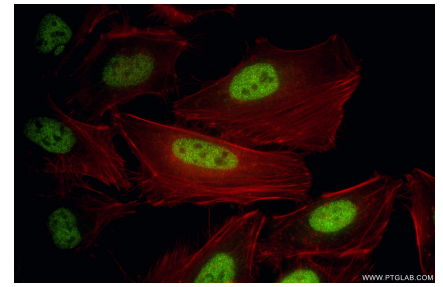
## Selected Validation Data



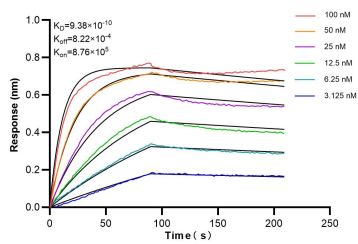
Various lysates were subjected to SDS PAGE followed by western blot with 87030-3-RR (BRD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 87030-3-RR (BRD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using BRD3 antibody (87030-3-RR, Clone: 252143C1) at dilution of 1:500 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 87199-1-RR against Human BRD3 were performed. The affinity constant is 0.938 nM.