

For Research Use Only

# BRD3 Monoclonal antibody

Catalog Number: 60971-1-Ig



## Basic Information

<b>Catalog Number:</b> 60971-1-Ig	<b>GenBank Accession Number:</b> BC032124	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8019	<b>CloneNo.:</b> 1C8C11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q15059	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> bromodomain containing 3	
<b>Immunogen Catalog Number:</b> AG33684	<b>Calculated MW:</b> 556 aa, 61 kDa	
	<b>Observed MW:</b> 95-105 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, MOLT-4 cells, HSC-T6 cells, NIH/3T3 cells
<b>Species Specificity:</b> human, mouse, rat	

## 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

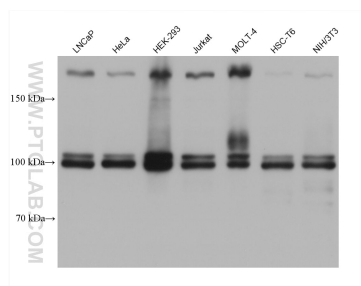
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60971-1-Ig (BRD3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.