

For Research Use Only

# BRD3 Recombinant monoclonal antibody, PBS Only

Catalog Number:87030-5-PBS



## Basic Information

<b>Catalog Number:</b> 87030-5-PBS	<b>GenBank Accession Number:</b> BC032124	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8019	<b>CloneNo.:</b> 252502F5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15059	
<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

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
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 tandems 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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

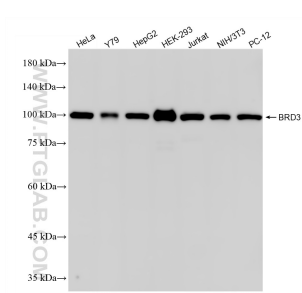
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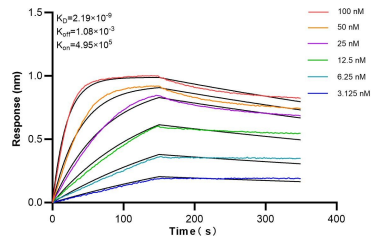
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87030-5-RR (BRD3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87030-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87030-5-RR against Human BRD3 were performed. The affinity constant is 2.19 nM.