

For Research Use Only

BRD3 Recombinant monoclonal antibody

Catalog Number:87030-5-RR



Basic Information

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|--|---|---|
| Catalog Number: 87030-5-RR | GenBank Accession Number: BC032124 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 8019 | CloneNo.: 252502F5 |
| Source: Rabbit | UNIPROT ID: Q15059 | Recommended Dilutions: WB: 1:5000-1:50000 |
| Isotype: IgG | Full Name: bromodomain containing 3 | |
| Immunogen Catalog Number: AG2433 | Calculated MW: 556 aa, 61 kDa | |
| | Observed MW: 95-105 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HeLa cells, Y79 cells, HepG2 cells, HEK-293 cells, Jurkat cells, NIH/3T3 cells, PC-12 cells |
| 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

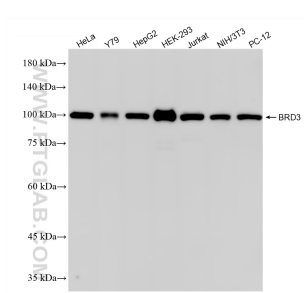
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

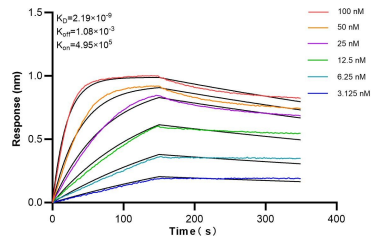
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87030-5-RR (BRD3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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