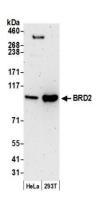
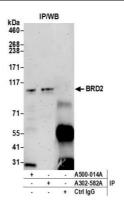
## BRD2 Monoclonal Antibody [12C2E4]

Mouse Monod			Dustain ID		
Antigen Affinity Purified			Protein ID	NP_005095.1	
•	Catalog No. A500–014A		GenelD	6046	BETHYL
Lot No. A500-014A-2					LABORATORIES, INC
APPLICATIONS		WB, IP			
SPECIES REACTIVITY		Human			
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse, Bovine, Dog, Horse, Guinea pig_10141, Pig, Panda, Orangutan, Monkey, Gorilla, Chimpanzee and Chinese hamster			
AMOUNT		100 µl (10 blots)			
CONCENTRATION		40 μg/ml			
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt			
PHYSICAL STATE		Liquid			
BUFFER		Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide			
ISOTYPE		IgG1-kappa			
CLONE #		12C2E4			
ORIGIN		USA			
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific for BRD2 immobilized on solid support. The epitope recognized by A500-014A maps to a reqion between residue 675 and 725 of human bromodomain containing 2 using the numbering given in entry NP_005095.1 (GeneID 6046).			
APPLICATIONS		Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.			
		Western Blot	1:1	000	
		Immunoprecipit	tation 20	µl/mg lysate	
APPLICATION NOTES		Validation by IP/Western Blot was performed using a 4–8% SDS-PAGE.			
ADDITIONAL INFO		https://www.bethyl.com/product/A500-014A Use the link above to view SDS, a current list of citations, and other product specific information.			

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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**Detection of human BRD2 by western blot.** *Samples:* Whole cell lysate (15 µg) from HeLa and 293T cells prepared using NETN lysis buffer. *Antibody:* Mouse monoclonal anti-BRD2 antibody [12C2E4] (A500-014A lot 2) used for WB at 1:1000. *Secondary:* HRP-conjugated goat anti-mouse lgG (A90-116P). Chemiluminescence with an exposure time of 3 minutes. Detection of human BRD2 by western blot of

**immunoprecipitates.** *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Mouse monoclonal anti–BRD2 antibody [12C2E4] (A500–014A lot 2) used for IP at 20 µl per reaction. BRD2 was also immunoprecipitated by rabbit anti–BRD2 antibody (A302–582A). For blotting immunoprecipitated BRD2, A500–014A was used at 1:1000. *Secondary:* HRP-conjugated goat anti–mouse IgG (A90–116P). Chemiluminescence with an exposure time of 3 minutes.