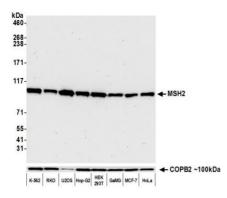
MSH2 Recombinant Monoclonal Antibody [BLR116H]

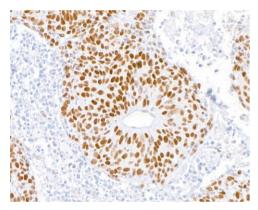
Rabbit Recombinant Monoclonal						
Purified			Protein ID	NP_000242.1		
Catalog No.	Catalog No. A700-116-T		GenelD	4436		BETHVI
Lot No.	ot No. A700-116-T-1					LABORATORIES, INC
APPLICATIONS		WB, IP, IHC, ICC				
SPECIES REACTIVITY		Human				
AMOUNT		10 µl (5+ tests)				
CONCENTRATION		250 μg/ml				
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt				
PHYSICAL STATE		Liquid				
BUFFER		Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide				
ISOTYPE		IgG				
CLONE #		BLR116H				
ORIGIN		USA				
PRODUCTION PROCEDURES		Recombinant antibody was purified from cell culture supernatant.				
INCLUCINES		Immunogen was a peptide representing a region between residue 625 and 675 of human DNA mismatch repair protein Msh2 using the numbering given in entry NP_000242.1 (Gene ID 4436).				
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/1 mg lysate		
		Immunohistoch	,	100 to 1:500. Epitope retrie commended for FFPE tissue		ffer pH6.0 is
		Immunocytoche		100 to 1:500. Epitope retrie commended for FFPE cell se		ffer pH6.0 is
			na, Colon Carcinoma, Lung Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, A- Cells, OVCAR-3 Cells, OVCAR-8 Cells, RT-4 Cells			
ADDITIONAL INFO		https://www.bethyl.com/product/A700-116-T 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 30, 2020

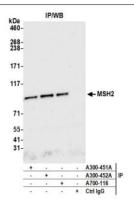
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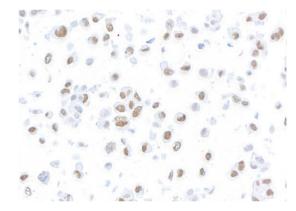
Detection of human MSH2 by western blot. *Samples:* Whole cell lysate (10 µg) from K-562, RKO, U2OS, Hep-G2, HEK293T, GaMG, MCF-7, and HeLa cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-MSH2 recombinant monoclonal antibody [BLR116H] (A700-116-T lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-CopB2 (A304-523A).



Detection of human MSH2 in FFPE lung carcinoma by immunohistochemistry. *Antibody:* Rabbit anti-MSH2 recombinant monoclonal antibody [BLR116H] (A700-116-T lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



Detection of human MSH2 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-MSH2 recombinant monoclonal antibody [BLR116H] (A700-116-T lot 1) used for IP at 20 µl/mg lysate. MSH2 was also immunoprecipitated by rabbit anti-MSH2 antibodies A300-451A and A300-452A. For blotting immunoprecipitated MSH2, A700-116-T was used at 1:1000. Chemiluminescence with an exposure time of 3 seconds.



Detection of human MSH2 in FFPE OVCAR-8 by immunocytochemistry. *Antibody:* Rabbit anti-MSH2 recombinant monoclonal antibody [BLR116H] (A700-116-T lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.

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