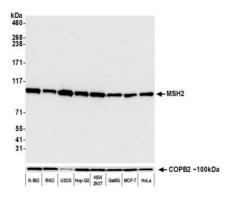
MSH2 Recombinant Monoclonal Antibody [BLR116H]

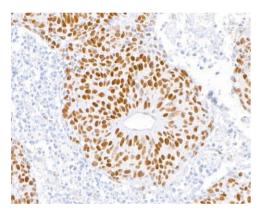
Rabbit Recombinant Monoclonal					
Purified			Protein ID	NP_000242.1	
Catalog No.	A700-	116	GenelD	4436	DETUVI
Lot No. A700-116-1					LABORATORIES, INC
APPLICATIONS		WB, IP, IHC, ICC			
SPECIES REACTIVITY		Human			
AMOUNT		100 µl (50+ tests)			
CONCENTRATION		250 μg/ml			
STORAGE/SHELF LIFE		2 - 8° C / 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		Recombinant antibody was purified from cell culture supernatant.			
PROCEDURES		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	ation 20)µl/1 mg lysate	
		Immunohistoch		100 to 1:500. Epitope retrieva commended for FFPE tissue se	
		Immunocytoche		100 to 1:500. Epitope retrieva commended for FFPE cell secti	
IHC HUMAN CONTROLS		Breast Carcinoma, Colon Carcinoma, Lung Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, A- 549 Cells, HeLa Cells, OVCAR-3 Cells, OVCAR-8 Cells, RT-4 Cells			
ADDITIONAL INFO		https://www.bethyl.com/product/A700-116			
		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

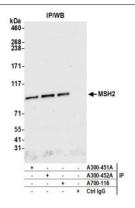
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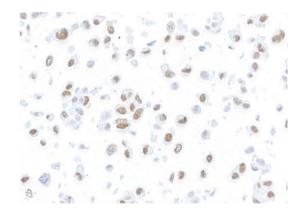
Detection of human MSH2 by western blot. *Samples:* Whole cell lysate (10 µg) from K-562, RKO, U2OS, Hep-G2, HEK293T, GaMG, MCF-7, and HeLa cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-MSH2 recombinant monoclonal antibody [BLR116H] (A700-116 lot 1) used at 1:1000. *Secondary:* HRP-conjugated 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 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 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 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 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.

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