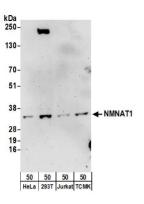
## NMNAT1 Antibody

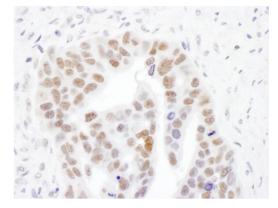
Rabbit Polyclonal Antigen Affinity Purified Catalog No. A304-317A Lot No. A304-317A-1		317A G	rotein ID ienelD	NP_073624.2 64802	BETHYL LABORATORIES, INC	
APPLICATIONS		WB, IHC			-	
SPECIES REACTIVITY		Human, Mouse				
AMOUNT		100 µl				
CONCENTRATION		1000 μg/ml				
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt				
PHYSICAL STATE		Liquid				
BUFFER		Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide				
ISOTYPE		IgG				
ORIGIN		USA				
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific to NMNAT1 immobilized on solid support.				
APPLICATIONS		The epitope recognized by A304-317A maps to a region between residue 229 to 279 of human Nicotinamide Nucleotide Adenylyltransferase 1 using the numbering given in entry NP_073624.2 (GeneID 64802).				
		Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.				
		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	1:2	,000 - 1:10,000		
		Immunoprecipitat	tion Not	Not recommended		
		Immunohistochen		00 – 1:2,000. Epitope retrieval with citr ommended for FFPE tissue sections.	rate buffer pH 6.0 is	
APPLICATION N	IOTES	Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.				
IHC HUMAN CO	ONTROLS	Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma				
ADDITIONAL INFO		https://www.bethyl.com/product/A304-317A 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 and mouse NMNAT1 by western blot.** *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, and mouse TCMK-1 cells. *Antibodies:* Affinity purified rabbit anti-NMNAT1 antibody A304-317A (lot A304-317A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



**Detection of human NMNAT1 by immunohistochemistry.** *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti- NMNAT1 (Cat. No. A304-317A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB. *Counterstain:* IHC Hematoxylin (blue).