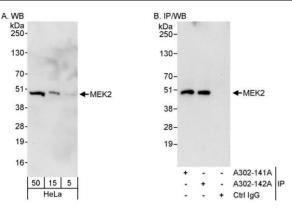
## **MEK2** Antibody

Rabbit Polyclo Antigen Affini Catalog No. Lot No.	ty Purifie A302-		Protein ID GenelD	NP_109587.1 5605	BETHYL LABORATORIES, INC
APPLICATIONS		WB, IP, IHC			
SPECIES REACTIVITY		Human			
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse and Dog			
AMOUNT		100 μΙ			
CONCENTRATION		200 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		IgG			
ORIGIN		USA			
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific to MEK2 immobilized on solid support.			
FROCEDURES		The epitope recognized by A302-141A maps to a region between residue 1 and 50 of human MAPK/ERK kinase 2 using the numbering given in entry NP_109587.1 (GeneID 5605).			
		Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.			
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	1:2	,000 - 1:10,000	
		Immunoprecipi	itation 2 -	5 µg/mg lysate	
		Immunohistoch		00 – 1:500. Epitope retri ommended for FFPE tissi	eval with citrate buffer pH 6.0 is e sections.
APPLICATION NOTES		Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020), Goat anti–Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–20% SDS–PAGE (link to IP–western blot protocol in Additional Info section below).			
IHC HUMAN CONTROLS		Western blot of lysates performed using standard western blot reagents and 4–20% SDS–PAGE. Ovarian Carcinoma, Prostate Carcinoma			
ADDITIONAL INFO		https://www.bethyl.com/product/A302-141A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB			

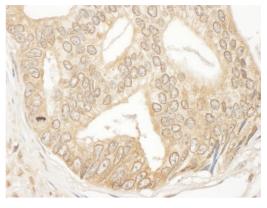
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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Detection of human MEK2 by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-MEK2 antibody A302-141A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. MEK2 was also immunoprecipitated by rabbit anti-MEK2 antibody A302-142A, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 10 seconds (A and B).



**Detection of human MEK2 by immunohistochemistry.** *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-MEK2 (Cat. No. A302-141A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB