Phospho MEK1 (T286) Antibody

Goat Polyclonal

Antigen Affinity Purified

Catalog No. A303-611A

Lot No. A303-611A-1

Protein ID NP_002746.1

GeneID 5604

APPLICATIONS	IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, Rabbit and Chimpanzee
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 Phospho MEK1 immobilized on solid support. The epitope recognized by A303-611A maps to a region of human MAPK/ERK kinase 1 (dual specificity mitogen-activiated protein kinase kinase 1) surrounding threonine 286 using the numbering given in entry NP_002746.1 (Gene ID 5604) when the threonine residue is phosphorylated. Antibody 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.

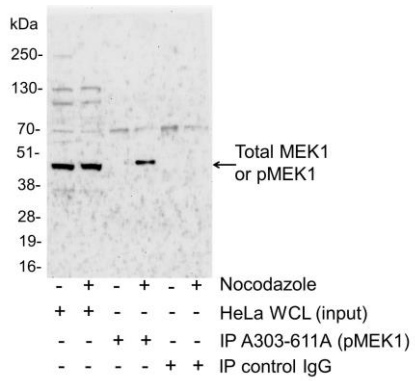
Western Blot	Not recommended
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:200 - 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma
IHC MOUSE CONTROLS	Hybridoma Tumor, Renal Cell Carcinoma, Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A303-611A Use the link above to view SDS, a current list of citations, and other product specific information.

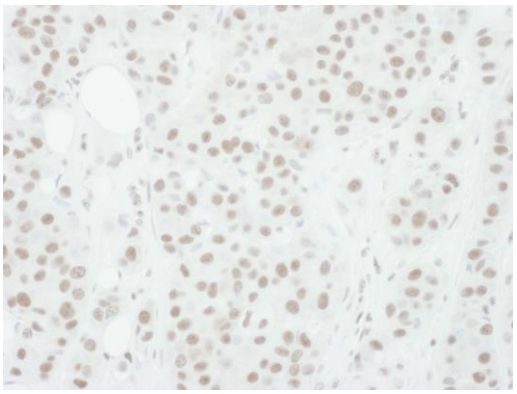
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

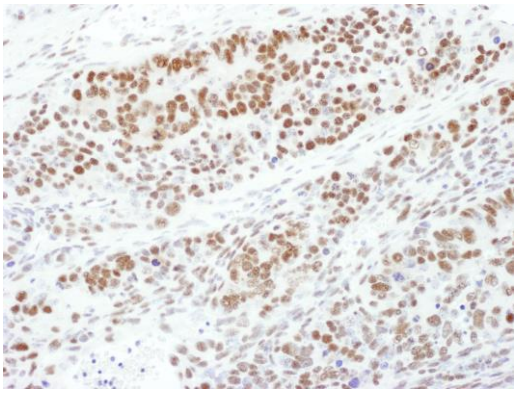
Date: June 21, 2019



Detection of human Phospho-MEK1 (T286) by immunoprecipitation (IP). *Samples:* 50 µg HeLa whole cell lysate (WCL) from mock treated (-) or nocodazole treated (+) cells. 1 mg of HeLa WCL mock treated (-) or nocodazole treated (+) and immunoprecipitated; 20% of the IP was loaded. *Antibodies:* Affinity purified goat anti-phospho MEK1 (T286) A303-611A was used for IP (6ug/1mg lysate). To detect total MEK1, Rabbit anti-MEK1 (BL8445) was used for western blot (WB) at 1 µg/ml. *Detection:* Chemiluminescence with exposure time of 30 seconds.



Detection of human Phospho-MEK1 (T286) by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified goat anti-phospho MEK1 (T286) (Cat. No. A303-611A lot 1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB



Detection of mouse Phospho-MEK1 (T286) by immunohistochemistry. *Sample:* FFPE section of mouse teratoma. *Antibody:* Affinity purified goat anti-phospho MEK1 (T286) (Cat. No. A303-611A lot 1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB