

Phospho-ERK1 /2 (T202/Y204, T185/Y187) Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_002737.2

Catalog No. A303-608A

GeneID 5594

Lot No. A303-608A-1



APPLICATIONS	WB
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat, D. melanogaster, X. laevis and Bovine
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 ERK1 /2 (T202/Y204, T185/Y187) immobilized on solid support.

The epitope recognized by A303-608A maps to a region of human Extracellular Signal-Regulated Kinase-1 surrounding threonine 202 and tyrosine 204 (when using the numbering according to NCBI entry NP_002737.2, GeneID 5595) and human Extracellular Signal-Regulated Kinase-2 surrounding threonine 185 and tyrosine 187 (when using the numbering according to NCBI entry NP_620407.1, Gene ID 5594) when the threonine and tyrosine residues are 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 1:1,000 – 1:5,000

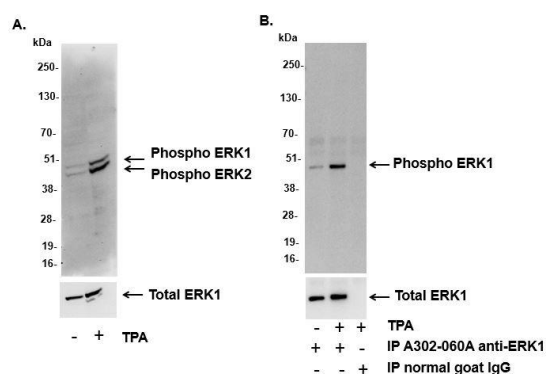
Immunoprecipitation Not recommended

APPLICATION NOTES Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

ADDITIONAL INFO <https://www.bethyl.com/product/A303-608A>

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-ERK1 and ERK2 by western blot (WB). *Samples:* Whole cell lysate (50 μ g for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells that were mock treated (-) or treated with TPA (+). *Antibodies:* Affinity purified rabbit anti-Phospho ERK1/2 A303-608A used for WB at 0.1 μ g/ml (A) and 1 μ g/ml (B). In (B), ERK1 was immunoprecipitated with affinity purified rabbit anti-ERK1 antibody A302-060A. To demonstrate the presence of total ERK1, blots (A) and (B) were stripped and re-probed with anti-ERK1 antibody A302-060A. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and (B).