## **ERK5 Antibody**

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_002740.2

Catalog No. A302-655A GeneID 5598

Lot No. A302-655A-1

APPLICATIONS IP

SPECIES REACTIVITY Human

**PRESUMED REACTIVITY** Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat 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 ERK5 immobilized on solid support.

The epitope recognized by A302-655A maps to a region between residue 475 and 525 of human

 $extracellular-signal-regulated\ kinase\ 5\ using\ the\ numbering\ given\ in\ entry\ NP\_002740.2$ 

(GeneID 5598).

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. Use rabbit anti–ERK5 antibody A302–656A.

Immunoprecipitation 2 – 5 μg/mg lysate

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100–020),

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

ADDITIONAL INFO https://www.bethyl.com/product/A302-655A

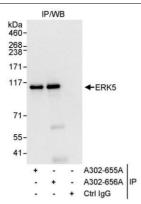
Use the link above to view SDS, a current list of citations, and other product specific information.

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: October 23, 2019



ERK5 Antibody A302-655A



## Detection of human ERK5 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-ERK5 antibody A302-655A used for IP at 3 μg/mg lysate. ERK5 was also immunoprecipitated by

rabbit anti-ERK5 antibody A302-656A, which recognizes a downstream epitope. For blotting immunoprecipitated ERK5, A302-656A was used at 1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.