

Datasheet for 612-401-D38**ERK-MAPK Antibody****Overview**

Description:	Anti-ERK/MAPK (RABBIT) Antibody - 612-401-D38
Item No.:	612-401-D38
Size:	100 µL
Applications:	WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	ERK/MAPK Antibody detects Extracellular-Signal Regulated Kinase/Mitogen-Activated Protein Kinase (ERK/MAPK) which is an integral component of cellular signaling during mitogenesis and differentiation of mitotic cells and also is thought to play a key role in learning and memory. The activity of this kinase is regulated by dual phosphorylation at Thr202 and Tyr204. Anti-ERK/MAPK Antibody is ideal for investigators involved in Cell Signaling and Cancer Research.
Synonyms:	Mitogen-activated protein kinase 1, MAP kinase 1, MAPK1, ERT1, Extracellular signal-regulated kinase 2, MAP kinase isoform p42
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MAPK1/2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ERK/MAPK Antibody was produced in rabbit by repeated immunizations with synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH.

Purity/Specificity:	Anti-ERK/MAPK antibody is directed against rat ERK/MAPK. Anti-ERK/MAPK antibody was affinity purified from monospecific antiserum by immunoaffinity purification. Anti-ERK/MAPK antibody recognizes ERK/MAPK from human, mouse, rat sources. Cross reactivity with ERK/MAPK from other species has not been determined.
Relevant Links:	• UniProtKB - P63086 • GeneID - 116590 • UniProtKB - P63086.3

Application Details

Tested Applications:	WB
Application Note:	Anti-ERK/MAPK Antibody is tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 42-44 kDa in size corresponding to the ERK/MAPK protein in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1:1000

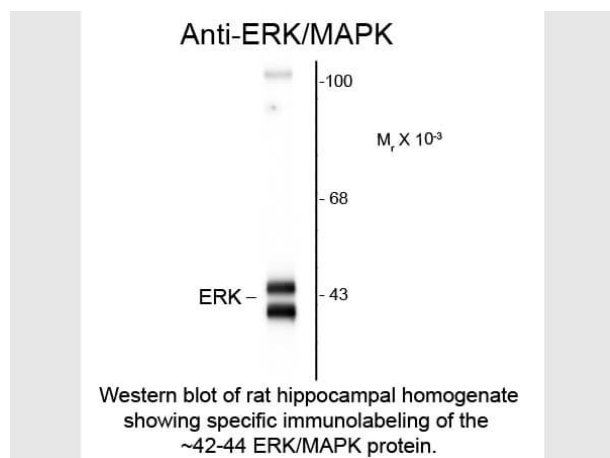
Formulation

Physical State:	Liquid
Concentration:	Titred value sufficient to run approximately 10 mini blots.
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Anti-ERK/MAPK (Rabbit) Antibody. Lane 1: rat hippocampal homogenate. Lane 2: none. Load: 10 μ g per lane. Primary antibody: ERK/MAPK antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~42-44kDa for ERK/MAPK protein. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.