

Phospho-Erk1-T202/Y204 + Erk2-T185/Y187 Monoclonal Antibody

CABP0974

Description

This Phospho-Erk1-T202/Y204 + Erk2-T185/Y187 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABP0974
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	ERK-1, ERK1, ERT2, HS44KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, p44-ERK1, p44-MAPK, Phospho-ERK1-T202/Y204 + ERK2-T185/Y187
Clone:	ARC1595
Applications:	WB IHC-P ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	5595 5594
Uniprot:	AB_2863871
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	42kDa/44kDa
Calculated MW:	42kDa/44kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

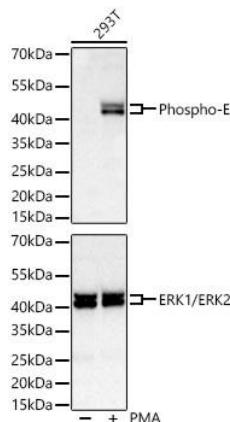
Positive Sample: C6 treated with PMA, 293T treated with PMA

Recommended Dilutions:

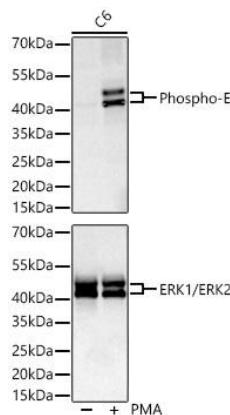
WB	1:1000 - 1:3000
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

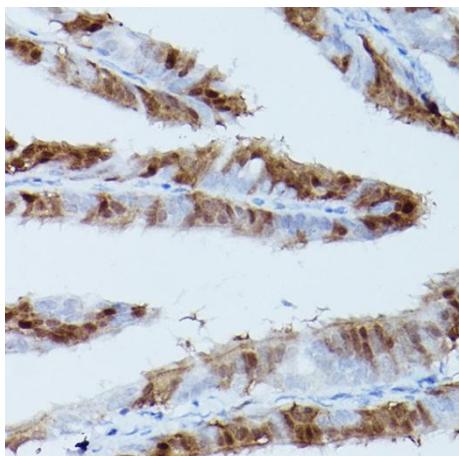
Validation Data



Western blot analysis of lysates from 293T cells using Phospho--/ + -/ Rabbit mAb (CABP0974) at 1:1000 dilution (upper) or /2 Rabbit mAb (CAB4782) at 1:3000 dilution (lower) incubated overnight at 4°C. 293T cells were treated with PMA (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of lysates from cells using Phospho--/ + -/ Rabbit mAb (CABP0974) at 1:1000 dilution (upper) or /2 Rabbit mAb (CAB4782) at 1:3000 dilution (lower) incubated overnight at 4°C. cells were treated with PMA (200 nM) at 37°C for 10 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 45s.



Immunohistochemistry analysis of paraffin-embedded Rat fallopian tube using Phospho--/- Rabbit mAb (CABP0974) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.