

## Phospho-ERK1-T202 Antibody

**CABP0234**

### Description

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This Phospho-ERK1-T202 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

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**SKU:** CABP0234

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** -

**Clone:** -

**Applications:** **WB** | **IHC-P** | **IF/ICC** | **ELISA**

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 5594 5595

**Uniprot:** AB\_2771313

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 42kDa/44kDa

**Calculated MW:** 38kDa/40kDa/43kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

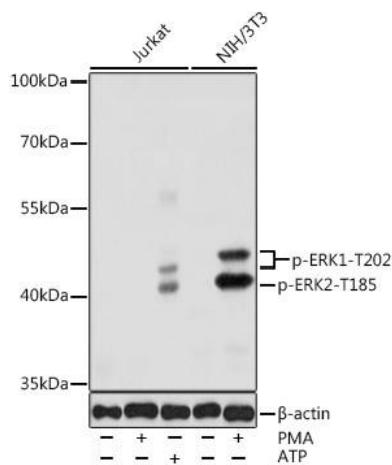
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Jurkat treated with ATP, NIH/3T3 treated with PMA

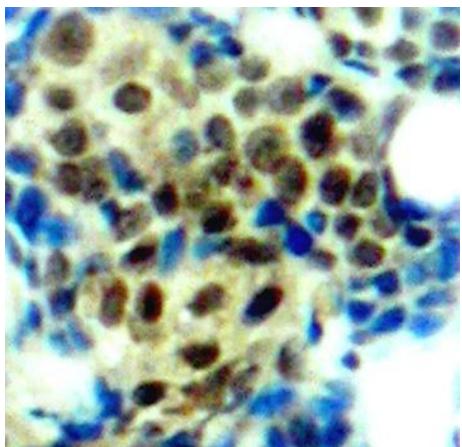
<b>Recommended Dilutions:</b>	<b>WB</b>	1:500 - 1:1000
	<b>IHC-P</b>	1:50 - 1:100
	<b>IF/ICC</b>	1:20 - 1:100
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**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 various lysates using Phospho-ERK1-T202 and Phospho-ERK2-T185 antibodies. The blot shows bands for p-ERK1-T202 (~42 kDa) and p-ERK2-T185 (~44 kDa) in Jurkat and NIH/3T3 cell lysates. Lanes are grouped by treatment: PMA (lanes 1, 3, 5) and ATP (lanes 2, 4, 6). A loading control for β-actin (~35 kDa) is shown in all lanes. Molecular weight markers (100kDa, 70kDa, 55kDa, 40kDa, 35kDa) are indicated on the left. Jurkat cells were treated with ATP (5 mM) at 30°C for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue, using Phospho-- + - Rabbit pAb (CABP0234). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.