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Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb

Catalog No.: AP0234 6 Publications

Basic Information

Observed MW

42kDa/44kDa

Calculated MW

38kDa/40kDa/43kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:100

IF/ICC 1:20 - 1:100

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID Swiss Prot 5594/5595 P28482/P27361

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

Contact

a	400-999-6126
×	cn.market@abclonal.com.cn
$\overline{\Box}$	www abclonal com cn

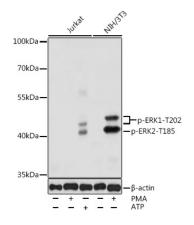
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

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.



Western blot analysis of various lysates using Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb (AP0234) at 1:1000 dilution. Jurkat and NIH/3T3 cells were treated with PMA/TPA (200 nM) at 37° C for 30 minutes after serum-starvation overnight. Jurkat cells were treated with ATP(5 mM) at 30° C for 1 hour.

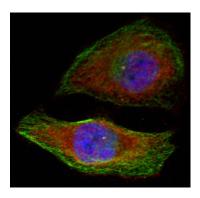
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

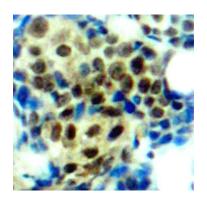
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunofluorescence analysis of methanolfixed HeLa cells showing cytoplasmic, nuclear staining using Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb (AP0234).



Immunohistochemistry analysis of paraffinembedded Human breast carcinoma tissue, using Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb (AP0234). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.