Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb

Catalog No.: AP0485 Recombinant 29 Publications

Basic Information

Observed MW
42kDa/44kDa

Calculated MW
42,44kDa

Category
Primary antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC0100

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5594/5595

Swiss Prot
P28482/P27361

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

Synonyms
H3.4; H3/g; H3FT; H3t; H3/A; H3FA; ERK1 / ERK2; Phospho-ERK1-T202 + ERK2-T185

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

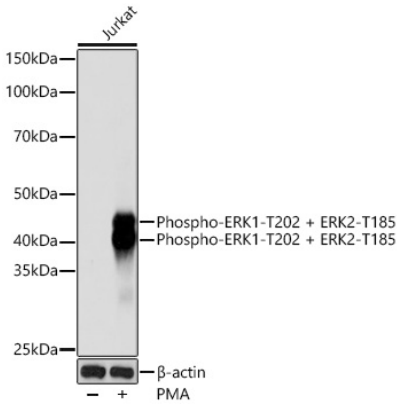
Source
Rabbit

Isotype
IgG

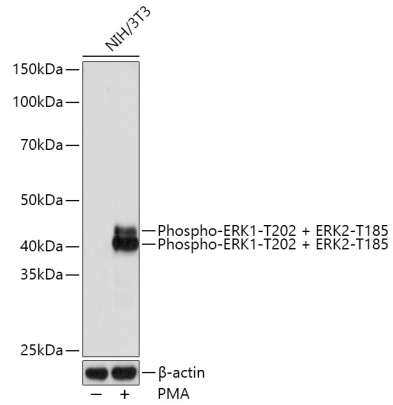
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

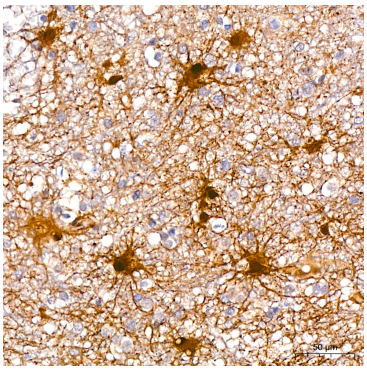
Validation Data



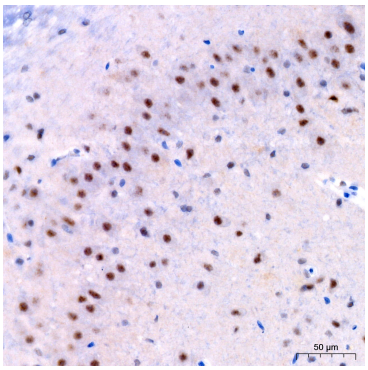
Western blot analysis of lysates from Jurkat cells, using Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb (AP0485) at 1:1000 dilution. Jurkat cells were treated with PMA/TPA (200 nM) at 37℃ for 10 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb (AP0485) at 1:1000 dilution. NIH/3T3 cells were treated with PMA/TPA (200 nM) at 37℃ for 30 minutes after serum-starvation overnight.
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.



Immunohistochemistry analysis of paraffin-embedded Human brain using Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb (AP0485) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb (AP0485) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.