

Datasheet for ABIN7268610
anti-ERK1/2 antibody (pThr185, pThr202)[Go to Product page](#)

5 Images

Overview

Quantity:	100 µL
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	pThr185, pThr202
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Phospho-ERK1 (T202) + ERK2 (T185).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK1/ERK2 (MAPK1/3 Products)
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

Target Details

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.,H3.4,H3/g,H3FT,H3t,H3/A,H3FA,ERK1 / ERK2,ERK1/ERK2

Molecular Weight:	42,44kDa
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Gene ID:	5594, 5595
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UniProt:	P28482 , P27361
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Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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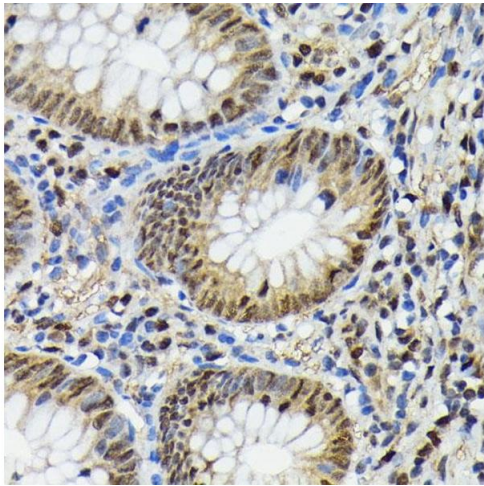
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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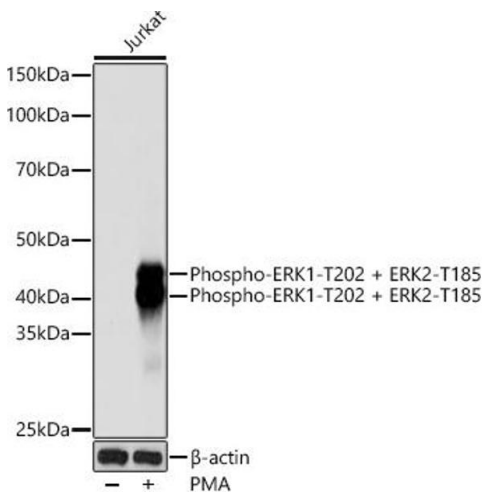
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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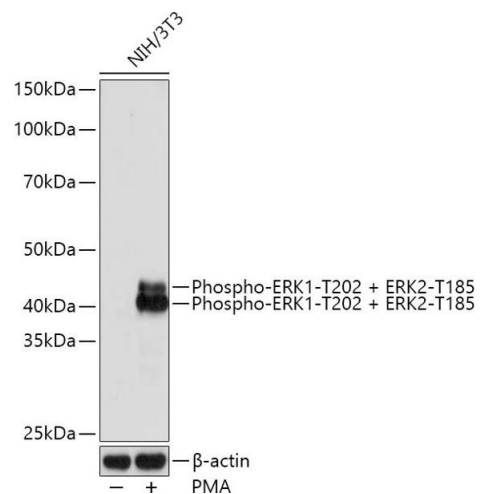
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human appendix using Phospho-ERK1-T202 + ERK2-T185 antibody (ABIN7268610) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Jurkat cells, using Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb (ABIN7268610) at 1:1000 dilution. Jurkat cells were treated by PMA/TPA (200 nM) at 37 °C for 10 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western Blotting

Image 3. Western blot analysis of extracts of NIH/3T3 cells, using Phospho-ERK1-T202 + ERK2-T185 Rabbit mAb (ABIN7268610) at 1:1000 dilution. NIH/3T3 cells were treated by PMA/TPA (200 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1S.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7268610.