ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173]

Cat. No. GTX635617

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P
Reactivity	Human, Mouse, Rat, Drosophila

References (8)

Review (3)

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	Assay dependent

Not tested in other applications.

Observed MW (kDa)	42, 44 kDa.
Product Note	This antibody detects Erk1 and Erk2 when dually phosphorylated at Thr202 and Tyr204 of Erk1 (Thr185 and Tyr187 of Erk2), and singly phosphorylated at Tyr204.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding phospho Thr202/Tyr204 of human ERK1. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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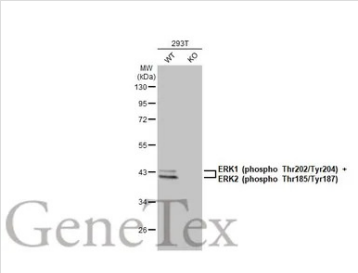
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

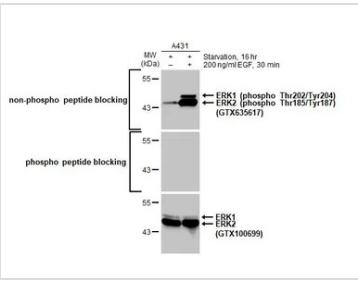
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



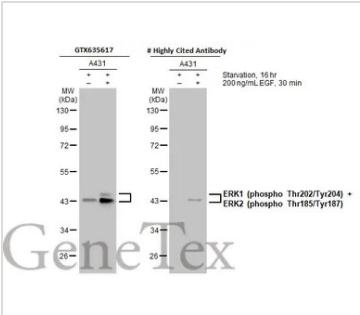
GTX635617 WB Image

Wild-type (WT) and ERK knockout (KO) 293T cell extracts (15 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173] (GTX635617) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX635617 WB Image

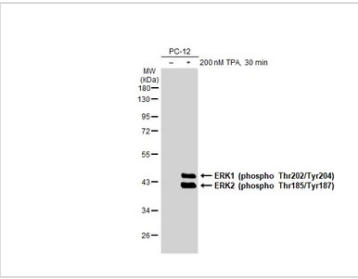
Untreated (–) and treated (+) A431 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173] (GTX635617) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GTX635617 WB Image

Untreated (–) and treated (+) A431 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membranes were blotted with ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173] (GTX635617) diluted at 1:1000 and competitor's antibody (# Highly Cited Antibody) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.



GTX635617 WB Image

Untreated (–) and treated (+) PC-12 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173] (GTX635617) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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