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

Cat. No. GTX24819

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IHC, IHC (Free Floating)
Reactivity	Human, Mouse, Rat, Drosophila, Bovine, Chicken, Caenorhabditis elegans, Xenopus

References (33)
Package
50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000
ICC/IF	Assay dependent
IHC-P	1:10-1:100
IHC	Assay dependent
IHC (Free Floating)	Assay dependent

Not tested in other applications.

Product Note	The antibody recognizes the same sequence in both proteins (ERK1/2) as long as the T and the Y are phosphorylated. Does not recognize either monophospho- forms of ERK1/2 or the non-phosphorylated proteins.

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA, 50% Glycerol
Preservative	0.05% Sodium azide
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	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from the region of human ERK1 and 2 that contains threonine 202/185 and tyrosine 204/187. This region is conserved among many species including rat, mouse, cow, frog, snail, nematode, and fruit fly.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

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

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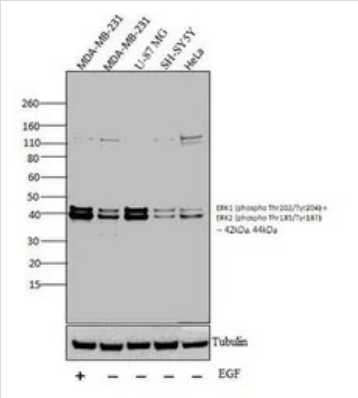
Note

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

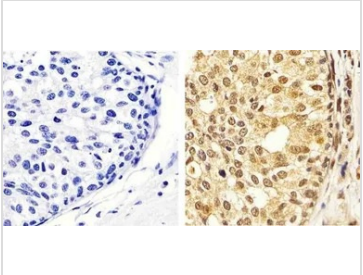
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



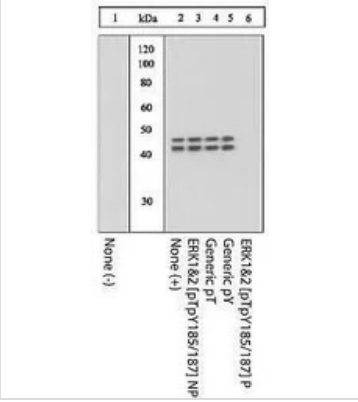
GTX24819 WB Image

WB analysis of whole cell extracts (30 µg lysate) of MDA-MB-231 with treatment of EGF(100ng/ml for 15mins) (Lane 1), MDA-MB-231 (Lane 2), U-87 MG (Lane 3), SH-SY5Y (Lane 4) and HeLa (Lane 5) using GTX24819 ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody.
Dilution : 1:1000



GTX24819 IHC-P Image

IHC-P analysis of human breast carcinoma tissue using GTX24819 ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody.
Right : Primary antibody
Left : Negative control without primary antibody
Antigen retrieval : 10mM sodium citrate (pH 6.0), microwaved for 8-15 min
Dilution : 1:50



GTX24819 WB Image

WB (peptide competition) analysis of PC12 cells stimulated with 0.5 M sorbitol for 5 minutes (Lane 2-6) using GTX24819 ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody prior incubated with the non-phosphopeptide corresponding to the phosphopeptide immunogen (Lane 3), a generic phosphothreonine-containing peptide (Lane 4), a generic phosphotyrosine-containing peptide (Lane 5), or the phosphopeptide immunogen (Lane 6). The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody.

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