ERK5 (phospho Thr218/Tyr220) antibody

Cat. No. GTX25686

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IP
Reactivity	Human, Mouse, Primate

Package
50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IP	Assay dependent

Not tested in other applications.

Calculated MW	88 kDa. (Note)
Product Note	Some cross-reactivity is observed with endogenous ERK1 and 2 (44 and 42 kDa, respectively) due to the high levels of expression and activation of this protein typically observed with most cell types.

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 ERK5 that contains threonine 218 and tyrosine 220. The sequence is conserved in mouse.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

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

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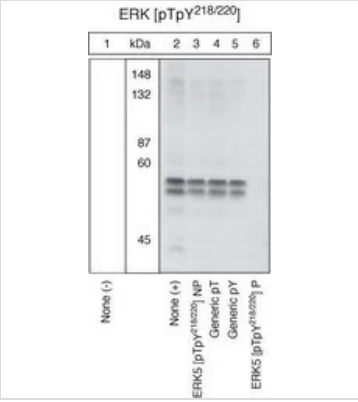
Note

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



GTX25686 WB Image

WB (peptide competition) analysis of HEK293 cells transiently transfected with plasmids expressing ERK5 kinase domain (ERK5kin) and constitutively activated MEK5D-D using GTX25686 ERK5 (phospho Thr218/Tyr220) antibody prior incubated with the non-phosphopeptide corresponding to the 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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