eIF4E (phospho Ser209) antibody

Cat. No. GTX24774

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, FCM
Reactivity	Human, Mouse, Rat, Rabbit

Package
50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	1:250
FCM	1:20

Not tested in other applications.

Calculated MW 25 kDa. (Note)

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 eIF4E that contains serine 209. The sequence is conserved in mouse, rat and rabbit.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated
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.

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

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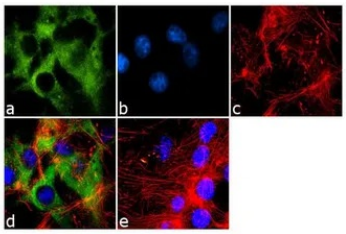
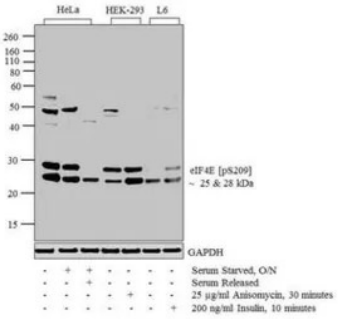
DATA IMAGES



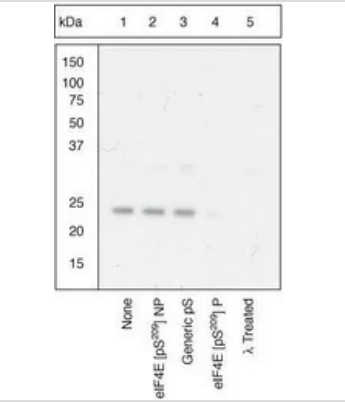
GTX24774 ICC/IF Image

ICC/IF analysis of U-87 MG cells using GTX24774 eIF4E (phospho Ser209) antibody. Panel e is a no primary antibody control.
Green : Primary antibody
Blue : Nuclei
Red : Actin
Fixation : 4% paraformaldehyde
Permeabilization : 0.1% Triton X-100 for 10 minutes
Dilution : 1:250 dilution in 0.1% BSA and incubated for 3 hours at room temperature



GTX24774 WB Image

WB analysis of whole cell extracts (20 µg lysate) of HeLa (lane 1), Serum Starved HeLa (lane 2), serum starved for overnight followed by Serum Released (lane 3), HEK-293 (lane 4), treated for 30 minutes with 25 µg/mL of Anisomycin (lane 5), L6 (lane 6) and L6 treated for 10 minutes with 200 ng/ml of Insulin (lane 7) using GTX24774 eIF4E (phospho Ser209) antibody.
Dilution : 1:500-1:2000



GTX24774 WB Image

WB (peptide competition) analysis of HeLa cells using GTX24774 eIF4E (phospho Ser209) antibody prior incubated with the non-phosphopeptide corresponding to the phosphopeptide immunogen (Lane 2), a generic phosphoserine-containing peptide (Lane 3), or the phosphopeptide immunogen (Lane 4) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody. The membrane treated with phosphatase (Lane 5) eliminates the signal further verifying that the antibody is phospho-specific.

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