eIF2 alpha (phospho Ser51) antibody

Cat. No. GTX24837

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC (Free Floating)
Reactivity	Human, Mouse, Rat, Yeast, Drosophila, Cat, Chicken, Caenorhabditis elegans, Primate

References (2)
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
IHC (Free Floating)	Assay dependent

Not tested in other applications.

Calculated MW 36 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 eIF2a that contains serine 52. This region is conserved among many species including rat, pig, cow, fruit fly and yeast.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

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

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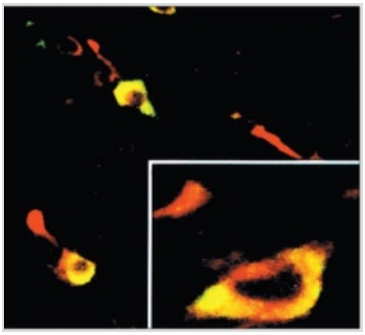
Note

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

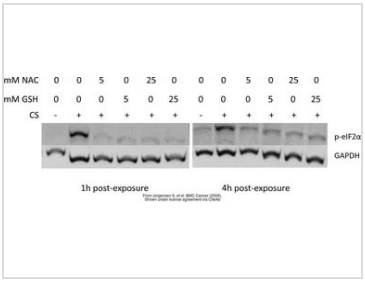
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX24837 ICC/IF Image

Rabbit anti EIF2alpha [pS51] phosphospecific polyclonal antibody.
Left: Image shows immunocytochemical analysis of EIF2alpha [pS51] in rat brain (mediodorsal neocortex) sections following traumatic axonal injury (TAI) (24 h). Control (prior to injury induction) shows low basal levels of EIF2alpha [pS51].
Right: Image shows double labeling of APP (red) and EIF2alpha [pS51] (green) in neurons subjected to traumatic axonal injury (TAI). Inset (above): higher magnification of neuronal soma with TAI. EIF2alpha [pS51] immunofluorescence is localized in cytoplasm of neuronal cell body.



GTX24837 WB Image

The data was published in the journal BMC Cancer in 2008. PMID: 18694499

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