PKC iota / lambda (phospho Thr563) antibody

Cat. No. GTX25813

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

References (5)
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
FCM	1:20

Not tested in other applications.

Calculated MW	68 kDa. (Note)
Product Note	This antibody reacts with PKC lambda immunoprecipitates, indicating cross-reactivity for PKC lambda [pT563]. PKC zeta [pT56] (83% homologous) has been shown to cross-react by peptide competition. Peptide competition also suggests that this antibody may partially cross-react with PKC beta 1 [pS642] (58% homologous) and PKC nu [pT655] (42% homologous).

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	Synthetic phosphopeptide derived from a region of human PKC iota that contains threonine 563.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

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

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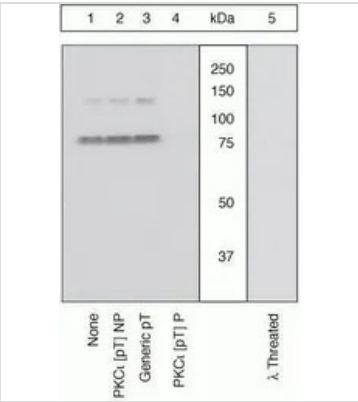
Note

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



GTX25813 WB Image

WB (peptide competition) analysis of Jurkat cells stimulated with PMA using GTX25813 PKC iota / lambda (phospho Thr563) antibody prior incubated with the non-phosphopeptide corresponding to the immunogen (Lane 2), a generic phosphothreonine-containing peptide (Lane 3), or the phosphopeptide immunogen (Lane 4). 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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