PKC delta (phospho Ser664) antibody

Cat. No. GTX25658

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IHC-P
Reactivity	Human, Rat

Package
50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
IHC-P	1:10-1:50

Not tested in other applications.

Calculated MW	78 kDa. (Note)
Product Note	This antibody has been shown to cross-react with rat PKC alpha [pS657] (75% homologous) and PKC beta II [pS66] (67% homologous) shown by peptide competition experiments. Mouse PKC delta [pS662] (83% homologous) has not been tested, but is expected to react.

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 a region of human PKCd that contains serine 664.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

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

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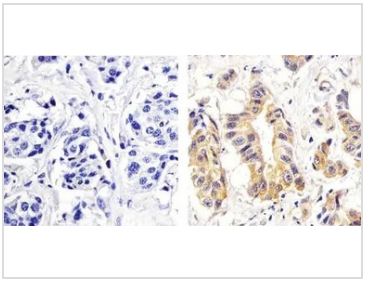
Note

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

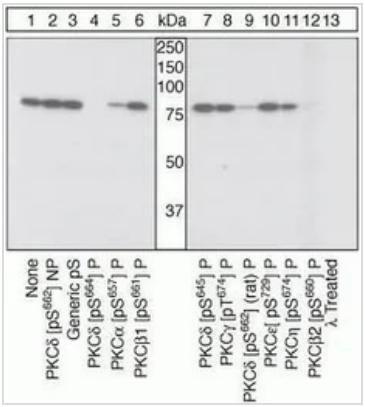
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX25658 IHC-P Image

IHC-P analysis of human breast carcinoma tissue using GTX25658 PKC delta (phospho Ser664) antibody.
Right : Primary antibody
Left : Negative control without primary antibody
Antigen retrieval : 10mM sodium citrate (pH 6.0), microwaved for 8-15 min
Dilution : 1:20



GTX25658 WB Image

WB (peptide competition) analysis of K562 cells stimulated with PMA using GTX25658 PKC delta (phospho Ser664) antibody prior incubated with the non-phosphopeptide corresponding to the immunogen (Lane 2), a generic phosphoserine-containing peptide (Lane 3), the phosphopeptide immunogen (Lane 4), or the phosphopeptides corresponding to other PKC isoforms (Lane 5-12)control.The data show that the peptide corresponding to PKCdelta (pS664) blocks the antibody signal. The peptide corresponding to PKCalpha (pS657) partially blocks the antibody signal, while those for PKCbetaII (pS660), and rat PKCdelta (pS662) block the antibody signal more thoroughly, indicating their respective reactivity with this antibody. The membrane treated with phosphatase (Lane 13) eliminates the signal further verifying that the antibody is phospho-specific.

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