PKA beta (catalytic subunit) (phospho Ser338) antibody

Cat. No. GTX25816

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ChIP assay
Reactivity	Human, Mouse

Package
50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ChIP assay	1:100

Not tested in other applications.

Calculated MW	41 kDa. (Note)
Product Note	Peptide competition data indicate that this antibody cross-reacts with the PKA nu subunit (64% homologous) and partially with the alpha subunit (82% 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	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human PKA catalytic b subunit that contains serine 338. The sequence is conserved in cow and pig.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

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

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

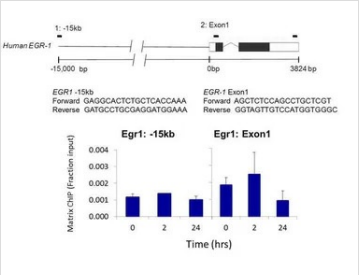
GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

Note

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

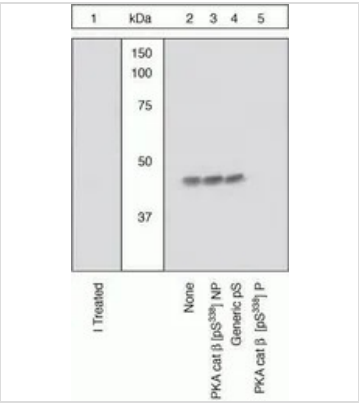
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX25816 ChIP assay Image

ChIP analysis of human 5A8 J-Lat T lymphocytes culture treated with 10 µg/mL PHA (phytohemaglutin) for 0, 2, and 24 hours using GTX25816 PKA beta (catalytic subunit) (phospho Ser338) antibody. Immunoprecipitation was performed using a multiplex microplate Matrix ChIP assay (refer to PMID: 22098709). The precipitated DNA was detected by PCR with primer set targeting to -15kb upstream and exon-1 of the EGR1 gene.
IP reaction : 1.0ul antibody / 100ul sample



GTX25816 WB Image

WB (peptide competition) analysis of 3T3-L1 cells using GTX25816 PKA beta (catalytic subunit) (phospho Ser338) antibody prior incubated with the non-phosphopeptide corresponding to the immunogen (Lane 3), a generic phosphoserine-containing peptide (Lane 4), or the phosphopeptide immunogen (Lane 5) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody. The membrane treated with phosphatase (Lane 1) eliminates the signal further verifying that the antibody is phospho-specific.

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

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com