

Product datasheet

Anti-PKA regulatory subunit I beta antibody ab38225

[1 References](#) [2 Images](#)

Overview

Product name	Anti-PKA regulatory subunit I beta antibody
Description	Rabbit polyclonal to PKA regulatory subunit I beta
Host species	Rabbit
Specificity	This antibody is specific for PKA regulatory subunit I beta.
Tested applications	Suitable for: ELISA, IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	A KLH conjugated synthetic peptide selected from the sequence of human PKA regulatory subunit I beta within aa 1-100.
Positive control	Human breast carcinoma tissue and mouse liver tissue lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Purity	Protein G purified
Purification notes	This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab38225** in the following tested applications.

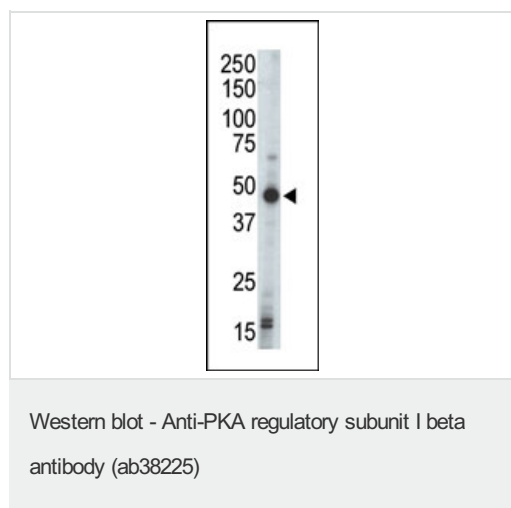
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/1000.
IHC-P		1/50 - 1/100.
WB		1/100 - 1/500. Detects a band of approximately 43 kDa (predicted molecular weight: 43 kDa).

Target

Tissue specificity	Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible.
Sequence similarities	Belongs to the cAMP-dependent kinase regulatory chain family. Contains 2 cyclic nucleotide-binding domains.
Post-translational modifications	The pseudophosphorylation site binds to the substrate-binding region of the catalytic chain, resulting in the inhibition of its activity.

Images



Anti-PKA regulatory subunit I beta antibody (ab38225) at 1/100 dilution + mouse liver tissue lysate

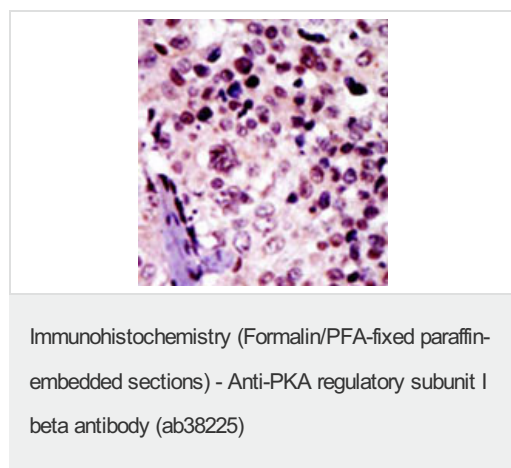
Secondary

HRP-anti-rabbit

Developed using the ECL technique.

Predicted band size: 43 kDa

Observed band size: 43 kDa



Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with ab38225 at a 1/50 dilution, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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