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Datasheet for ABIN744760

anti-PRKCA beta 2 antibody (pThr638, pThr641) (Biotin)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | PRKCA beta 2 |
| Binding Specificity: | pThr638, pThr641 |
| Reactivity: | Human, Mouse, Rat, Dog |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PRKCA beta 2 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human PKC alpha/beta II around the phosphorylation site of Thr638/641 |
| Isotype: | IgG |
| Cross-Reactivity: | Dog, Mouse, Rat |
| Predicted Reactivity: | Human,Cow,Horse,Chicken |
| Purification: | Purified by Protein A. |

Target Details

| | |
|---------|--------------|
| Target: | PRKCA beta 2 |
|---------|--------------|

Target Details

Abstract: [PRKCA beta 2 Products](#)

Background: Synonyms: AAG6, PKCA, PRKACA, PKC-alpha, Protein kinase C alpha type, PKC-A, PRKCA
Background: Protein Kinase c alpha (PKC alpha) is an 77 kDa member of the conventional group (cPKCs: sensitive to calcium, diacylglycerol, phosphatidylserine and phorbol esters) of the PKC family of serine/ threonine kinases that are involved in a wide range of physiological processes including mitogenesis, cell survival and transcriptional regulation. PKC alpha is an ubiquitously expressed PKC isozyme that has been implicated in the regulation of a broad range of cellular functions including proliferation, differentiation, development, migration, cell cell adhesion, cell extracellular matrix adhesion, and solute transport. The activation loop threonine (threonine 497 in PKC alpha) of conventional PKCs is phosphorylated by phosphoinositide dependent kinase 1 (PDK1). This phosphorylation is necessary for the autophosphorylation of threonine 638 in the carboxy terminus of PKC alpha, a step that is critical for regulating the rate of PKC alpha dephosphorylation and inactivation.

Gene ID: 5578

UniProt: [P17252](#)

Application Details

Application Notes: WB 1:100-1000
IHC-P 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Handling

Expiry Date: 12 months