

Anti-PKC iota Antibody [PRKCI/4911] - BSA and Azide free (A278351)

Specifications:

Name:	Anti-PKC iota Antibody [PRKCI/4911] - BSA and Azide free
Description:	Mouse monoclonal [PRKCI/4911] antibody to PKC iota.
Specificity:	<p>Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions, including cell growth and differentiation, gene expression, hormone secretion and membrane function. PKCs were originally identified as serine/threonine protein kinases whose activity was dependent on calcium and phospholipids. Diacylglycerols (DAG) and tumor promoting phorbol esters bind to and activate PKC. PKCs can be subdivided into at least two major classes, including conventional (c) PKC isoforms (α, β, βII and βIII) and novel (n) PKC isoforms (δ, ϵ, ζ, η, θ, ν, ξ, μ and ν). Patterns of expression for each PKC isoform differ among tissues and PKC family members exhibit clear differences in their cofactor dependencies. For instance, the kinase activities of PKC δ and ϵ are independent of Ca^{2+}. On the other hand, most of the other PKC members possess phorbol ester-binding activities and kinase activities.</p>
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 μ g/ml
Reactivity:	Human, Feline, Canine
Immunogen:	Recombinant fragment, around amino acids 100-300, of human PKC iota. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PRKCI/4911
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

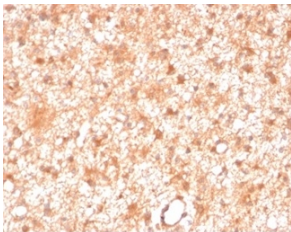
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Specifications continued:

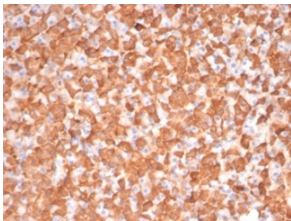
General Notes: This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-PKC iota Antibody [PRKCI/4911] (A277763).

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

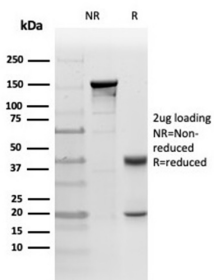
Images:



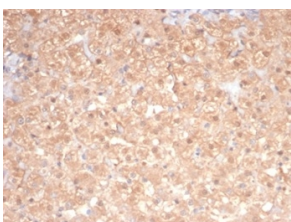
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human brain tissue using Anti-PKC iota Antibody [PRKCI/4911].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded dog liver tissue using Anti-PKC iota Antibody [PRKCI/4911].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded cat liver tissue using Anti-PKC iota Antibody [PRKCI/4911].



SDS-PAGE analysis of Anti-PKC iota Antibody [PRKCI/4911] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.