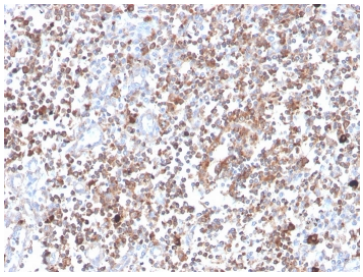
PRKCA Antibody / PKC alpha [clone 133] (V8687)

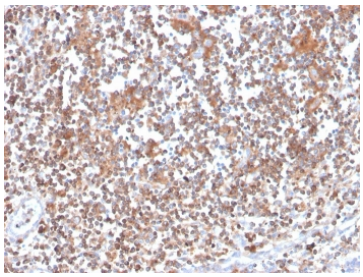
Catalog No.	Formulation	Size
V8687-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8687-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8687SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	133
Purity	Protein G affinity chromatography
UniProt	P17252
Localization	Cytoplasm, cell membrane, nucleus
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This PRKCA antibody is available for research use only.



IHC staining of FFPE human tonsil with PRKCA antibody (clone 133). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil with PRKCA antibody (clone 133). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Protein Kinase C alpha (PKC) is involved in the regulation of cell proliferation during cell cycle progression. This is a calcium-activated, phospholipid-dependent, serine- and threonine-specific enzyme. May play a role in cell motility by phosphorylating CSPG4. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters. Clone 133 recognizes the isoform of PKC and binds to a sequence at the C terminus of PKC to detect its expression in vitro.

Application Notes

Optimal dilution of the PRKCA antibody should be determined by the researcher.

Immunogen

Full-length protein was used as the immunogen for the PRKCA antibody. The epitope has been mapped to amino acids PQFVHPILQSAV at the C terminus.

Storage

Store the PRKCA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com