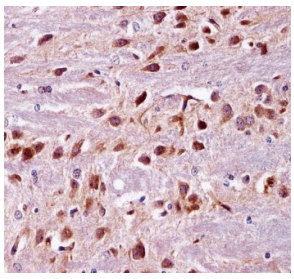
PRKCA Antibody / PKC alpha (F54688)

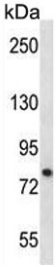
Catalog No.	Formulation	Size
F54688-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54688-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
UniProt	P20444
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Flow Cytometry : 1:25 (1x10e6 cells)
Limitations	This PRKCA antibody is available for research use only.

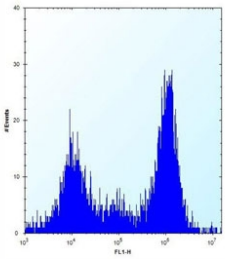


IHC testing of FFPE mouse brain tissue with PRKCA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of mouse Neuro-2a cell lysate with PRKCA antibody. Predicted molecular weight ~77 kDa.

Western blot testing of human Jurkat cell lysate with PRKCA antibody. Predicted molecular weight ~77 kDa.



Flow cytometry testing of mouse Neuro-2a cells with PRKCA antibody; Left=isotype control, Right= PRKCA antibody.

Description

Calcium-activated, phospholipid- and diacylglycerol (DAG)-dependent serine/threonine-protein kinase that is involved in positive and negative regulation of cell proliferation, apoptosis, differentiation, migration and adhesion, tumorigenesis, cardiac hypertrophy, angiogenesis, platelet function and inflammation, by directly phosphorylating targets such as RAF1, BCL2, CSPG4, TNNT2/CTNT, or activating signaling cascade involving MAPK1/3 (ERK1/2) and RAP1GAP. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the PRKCA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the mouse protein was used as the immunogen for the PRKCA antibody.

Storage

Aliquot the PRKCA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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