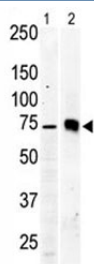


PKC beta 2 Antibody / PRKCB2 (F40137)

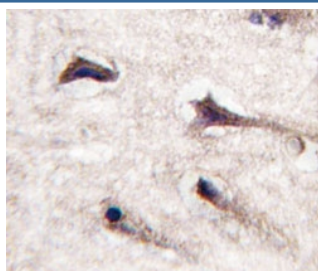
Catalog No.	Formulation	Size
F40137-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40137-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Primate, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P05771-2
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This PKC beta 2 antibody is available for research use only.



Western blot testing of PKC beta 2 antibody and Jurkat cell lysate (lane 1) and mouse brain tissue lysate (2).



IHC analysis of FFPE human brain tissue stained with PKC beta 2 antibody

Description

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. PKC beta is one of the PKC family members. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported. Isoform 1 uses an alternate exon at the 3' end compared to isoform 2, which includes a part of the coding region. The resulting isoform 1 has a distinct and shorter C-terminus, as compared to isoform 2.

Application Notes

Titration of the PKC beta 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 642-673 from the human protein was used as the immunogen for this PKC beta 2 antibody.

Storage

Aliquot the PKC beta 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.