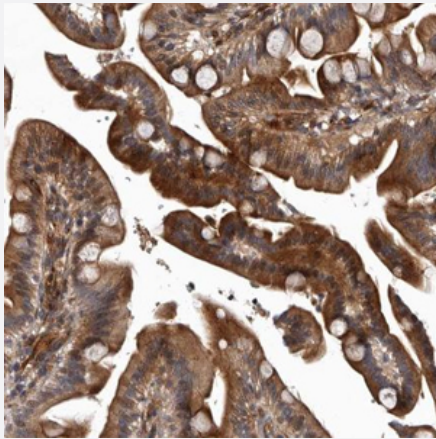


PRKD3 polyclonal antibody

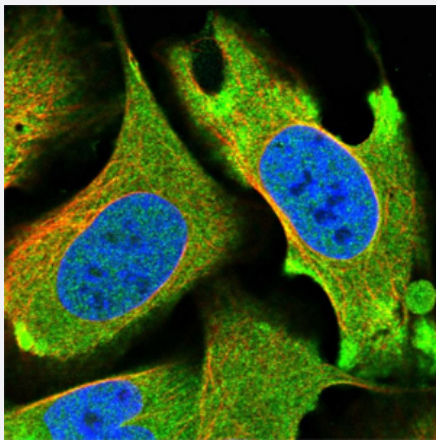
Catalog # PAB30557 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human duodenum with PRKD3 polyclonal antibody (Cat # PAB30557) shows distinct cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with PRKD3 polyclonal antibody (Cat # PAB30557) shows positivity in cytoplasm and nucleus but excluded from the nucleoli. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human PRKD3.
Immunogen	Recombinant protein corresponding to human PRKD3.
Sequence	ANNSPPSAQKSVLPTAIPAVLPAAAPCSSPKTGLSARLSNGSFSAAPSLTNSRGSVHTVSFLLQIGLTRESVTIEAQELSLSAVKDLVCSIVYQKFPECGFFGM

Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human duodenum with PRKD3 polyclonal antibody (Cat # PAB30557) shows distinct cytoplasmic positivity in glandular cells.

- Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with PRKD3 polyclonal antibody (Cat # PAB30557) shows positivity in cytoplasm and nucleus but excluded from the nucleoli. Antibody staining is shown in green.

Gene Info — PRKD3

Entrez GeneID	23683
Protein Accession#	O94806
Gene Name	PRKD3
Gene Alias	EPK2, PKC-NU, PKD3, PRKCN, nPKC-NU
Gene Description	protein kinase D3
Omim ID	607077
Gene Ontology	Hyperlink

Gene Summary

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the 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. The protein encoded by this gene is one of the PKC family members. This kinase can be activated rapidly by the agonists of G protein-coupled receptors. It resides in both cytoplasm and nucleus, and its nuclear accumulation is found to be dramatically enhanced in response to its activation. This kinase can also be activated after B-cell antigen receptor (BCR) engagement, which requires intact phospholipase C gamma and the involvement of other PKC family members. [provided by RefSeq]

Other Designations

OTTHUMP00000126953|protein kinase C, nu|protein kinase EPK2|protein-serine/threonine kinase