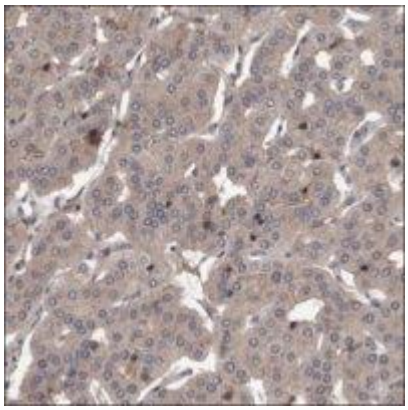
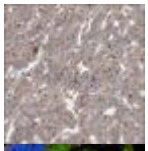
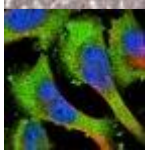
HPA029834 Sigma-Aldrich

Anti-PRKD1 antibody produced in rabbit

Prestige Antibodies® Powered by Atlas Antibodies, affinity isolated antibody, buffered aqueous glycerol solution

Synonym: **Anti-PKC-mu, Anti-PKCM, Anti-PKD, Anti-PRKCM, Anti-protein kinase D1**

- 
- 
- 

Properties

Related Categories	Alphabetical Index, Antibodies, Antibodies for Cell Biology, Antibodies for Kinase/Phosphatase Biology, PP-PZ, More...
species reactivity	human
application(s)	immunofluorescence: 1-4 µg/mL
	immunohistochemistry: 1:50- 1:200
clone	polyclonal
antibody form	affinity isolated antibody
form	buffered aqueous glycerol solution
grade	Prestige Antibodies® Powered by Atlas Antibodies
immunogen sequence	RELECKIGERYITHESDDLRWEKYAGEQGLQYPTHLINPSASHSDTPETEETEMKALGER
shipped in	wet ice
storage temp.	–20°C

Gene Information	human ... PRKD1(5587)
biological source	rabbit
antibody product type	primary antibodies
conjugate	unconjugated

Description

Immunogen

protein kinase D1 recombinant protein epitope signature tag (PrEST)

General description

PRKD1 gene encodes PKD1 (protein kinase D1), [3] that belongs to the protein kinase D family.[4] It is a serine/threonine kinase, which is also expressed in cells of the normal mammary gland. The PRKD1 gene promoter has a CpG island covering 1.2 kb. It includes, the transcription start site and the exon 1.[2]

Physical form

Solution in phosphate-buffered saline, pH 7.2, containing 40% glycerol and 0.02% sodium azide.

Application

All Prestige Antibodies Powered by Atlas Antibodies are developed and validated by the Human Protein Atlas (HPA) project (www.proteinatlas.org) and as a result, are supported by the most extensive characterization in the industry. The Human Protein Atlas project can be subdivided into three efforts: Human Tissue Atlas, Cancer Atlas, and Human Cell Atlas. The antibodies that have been generated in support of the Tissue and Cancer Atlas projects have been tested by immunohistochemistry against hundreds of normal and disease tissues and through the recent efforts of the Human Cell Atlas project, many have been characterized by immunofluorescence to map the human proteome not only at the tissue level but now at the subcellular level. These images and the collection of this vast data set can be viewed on the Human Protein Atlas (HPA) site by clicking on the Image Gallery link. To view these protocols and other useful information about Prestige Antibodies and the HPA, visit sigma.com/prestige.

Anti-PRKD1 has been used in immunohistochemistry.[1][2]

Legal Information

Prestige Antibodies is a registered trademark of Sigma-Aldrich Co. LLC

Features and Benefits

Antibody Bioguarantee
Evaluate our antibodies with complete peace of mind. If the antibody does not perform in your application, we will issue a full credit or replacement antibody. Learn more.

Disclaimer

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

Linkage

Corresponding Antigen APREST77751.

Biochem/physiol Actions

PRKD1 (Protein kinase D 1) is a negative modulator of cell migration.[1] It plays an important role in cell adhesion, cell migration, vesicle transport, cell survival [2], signal transduction, membrane trafficking and immune function .[4] In mammary glands, it preserves the epithelial phenotype by inhibiting epithelial-to-mesenchymal transition.[2]