

Datasheet for ABIN720221

anti-PRKG1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PRKG1
Reactivity:	Human, Mouse, Rat, Pig, Cow, Chicken, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKG1 antibody is un-conjugated
Application:	Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Prkg1/cGKI
Isotype:	IgG
Cross-Reactivity:	Chicken, Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified by Protein A.

Target Details

Target:	PRKG1
Alternative Name:	cGKI (PRKG1 Products)
Background:	<p>Synonyms: cGKI alpha, CGKI, cGKI beta, cGMP-dependent protein kinase 1, KGPB, pkg, PRKG1, PRKG1B, PRKGR1A, PRKGR1B.</p> <p>Background: Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By</p>

Target Details

this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. PKG plays an important stimulatory role in platelet activation.

Molecular Weight: 78kDa

Gene ID: 5592

Application Details

Application Notes: WB(1:100-500)
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

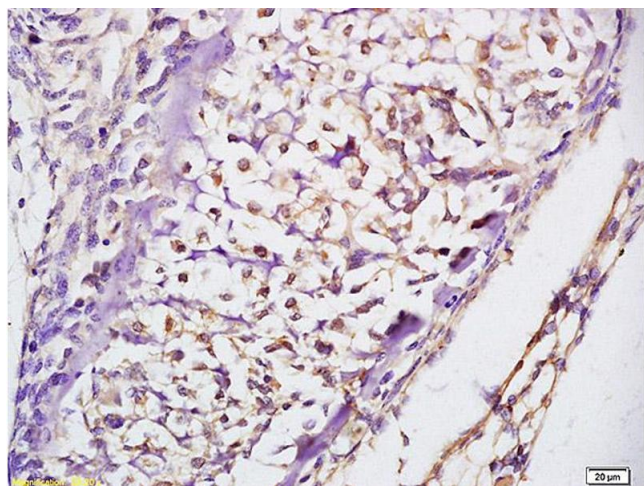
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

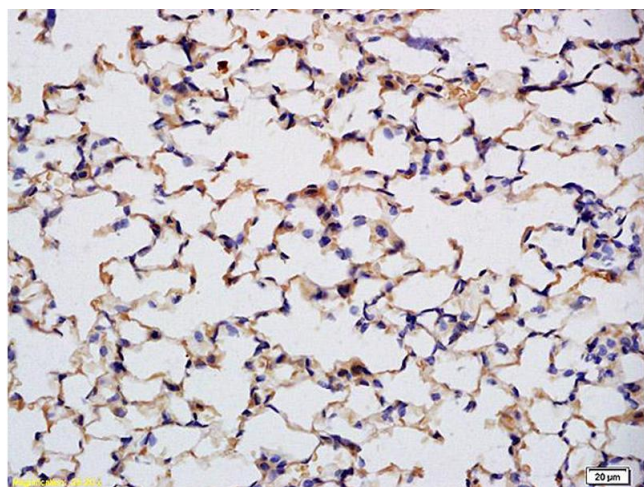
Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat lung labeled with Anti Prkg1/cGKI Polyclonal Antibody, Unconjugated (ABIN720221) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse embryo labeled with Anti Prkg1/cGKI Polyclonal Antibody, Unconjugated (ABIN720221) at 1:200 followed by conjugation to the secondary antibody and DAB staining