

Datasheet for ABIN7156699
anti-PRKRA antibody (AA 1-313)

2 Images

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Overview

Quantity:	100 µg
Target:	PRKRA
Binding Specificity:	AA 1-313
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKRA antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Interferon-inducible double-stranded RNA-dependent protein kinase activator A protein (1-313AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PRKRA
Alternative Name:	PRKRA (PRKRA Products)
Background:	Background: Activates EIF2AK2/PKR in the absence of double-stranded RNA (dsRNA), leading

Target Details

to phosphorylation of EIF2S1/EIF2-alpha and inhibition of translation and induction of apoptosis. Required for siRNA production by DICER1 and for subsequent siRNA-mediated post-transcriptional gene silencing. Does not seem to be required for processing of pre-miRNA to miRNA by DICER1. Promotes UBC9-p53/TP53 association and sumoylation and phosphorylation of p53/TP53 at '\\Lys-386\\' at '\\Ser-392\\' respectively and enhances its activity in a EIF2AK2/PKR-dependent manner (By similarity).

Aliases: DYT16 antibody, HSD14 antibody, Interferon inducible double stranded RNA dependent protein kinase activator A antibody, interferon-inducible double stranded RNA-dependent activator antibody, Interferon-inducible double stranded RNA-dependent protein kinase activator A antibody, PACT antibody, PKR associated protein X antibody, PKR associating protein X antibody, PKR-associated protein X antibody, PKR-associating protein X antibody, PRKRA antibody, PRKRA_HUMAN antibody, Protein activator of the interferon induced protein kinase antibody, Protein activator of the interferon-induced protein kinase antibody, Protein kinase antibody, Protein kinase interferon inducible double stranded RNA dependent activator antibody, RAX antibody

UniProt: [O75569](#)

Pathways: [Regulatory RNA Pathways](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

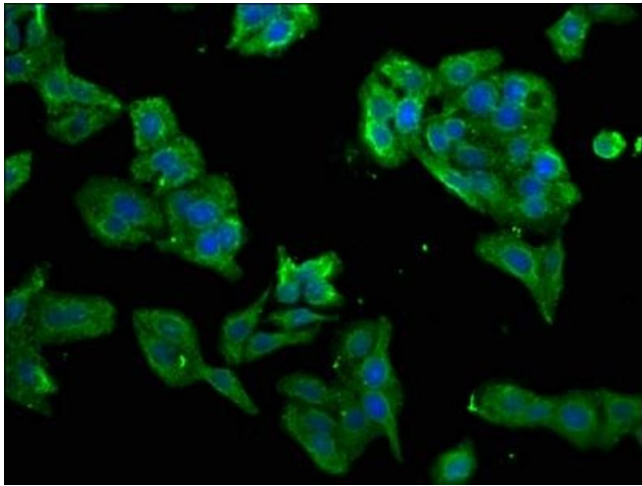
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

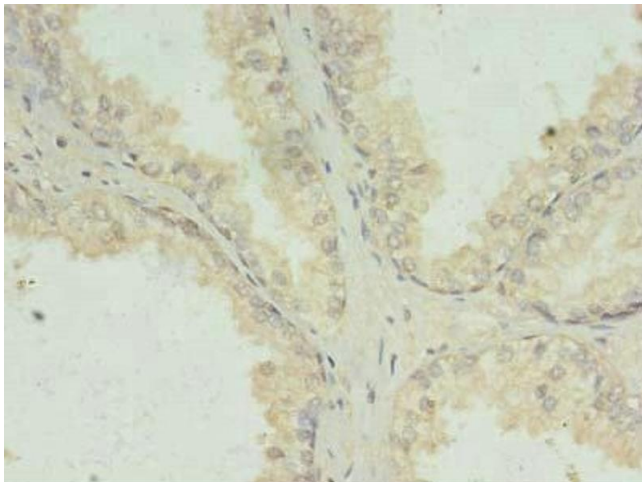
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7156699 at 1:266, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human prostate cancer using ABIN7156699 at dilution of 1:100