

Rabbit anti-Human PRKRA Polyclonal Antibody | anti-PRKRA antibody

PRKRA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229572	Rabbit	Human	Immunohistochemistry, ELISA

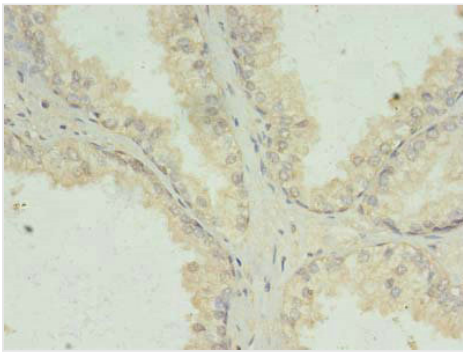
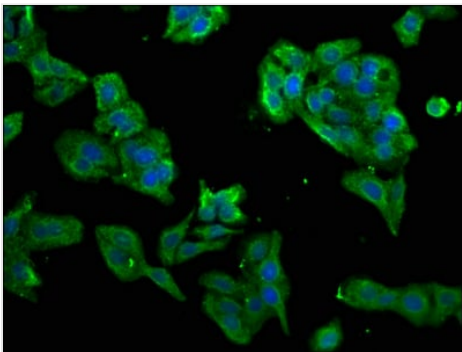
PRODUCT SYNONYMS

PRKRA; Polyclonal Antibody; PRKRA Antibody; Interferon-inducible double-stranded RNA-dependent protein kinase activator A; PACT; RAX; HSD-14; HSD14; PKR-associated protein X; PKR-associating protein X; Protein activator of the interferon-induced protein kinase; Protein kinase; interferon-inducible double-stranded RNA-dependent activator; anti-PRKRA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	302
Applicable Applications for anti-PRKRA antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Interferon-inducible double-stranded RNA-dependent protein kinase activator A protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18768 / sc-32010 / sc-292629
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of HepG2 cells with AAA229572 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human prostate cancer using AAA229572 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-PRKRA antibody	Activates EIF2AK2/PKR in the absence of double-stranded RNA (dsRNA), leading 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	213417911
NCBI GeneID	8575
NCBI Accession #	NP_001132989.1
NCBI GenBank Nucleotide #	NM_001139517.1
UniProt Accession #	O75569; Q53G24; Q6X7T5; Q8NDK4; A8K3I6
Molecular Weight	31,635 Da
NCBI Official Full Name	interferon-inducible double-stranded RNA-dependent protein kinase activator A isoform 2
NCBI Official Synonym Full Names	protein activator of interferon induced protein kinase EIF2AK2
NCBI Official Symbol	PRKRA
NCBI Official Synonym Symbols	RAX; PACT; DYT16; HSD14
NCBI Protein Information	interferon-inducible double-stranded RNA-dependent protein kinase activator A
UniProt Protein Name	Interferon-inducible double-stranded RNA-dependent protein kinase activator A
UniProt Gene Name	PRKRA
UniProt Synonym Gene Names	PACT; RAX
UniProt Entry Name	PRKRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.