

KD-Validated Anti-PRKRA Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2320

Product Information

Application	WB, ICC
Primary Accession	O75569
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2340
Calculated MW	34404
Gene Name	PRKRA
Aliases	PRKRA; Protein Activator Of Interferon Induced Protein Kinase EIF2AK2; PACT; RAX; Protein Activator Of The Interferon-Induced Protein Kinase; PKR-Associated Protein X ; HSD14 ; DYT16; Interferon-Inducible Double-Stranded RNA-Dependent Protein Kinase Activator A; Protein Kinase, Interferon-Inducible Double-Stranded RNA-Dependent Activator; PKR-Associating Protein X; Protein Kinase, Interferon-Inducible Double Stranded RNA Dependent Activator
Immunogen	A synthesized peptide derived from human PRKRA

Additional Information

Gene ID	8575
Other Names	Interferon-inducible double-stranded RNA-dependent protein kinase activator A, 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, PRKRA, PACT, RAX

Protein Information

Name	PRKRA (HGNC:9438)
Synonyms	PACT, RAX
Function	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). May function as regulator of gastric epithelial differentiation (By similarity).

Cellular Location

Cytoplasm, perinuclear region. Cytoplasm.

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