

PRKRA Antibody

Rabbit mAb

Catalog # AP92336

Product Information

Application	WB, IHC
Primary Accession	O75569
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	RAX; PACT; DYT16; HSD14;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	34404

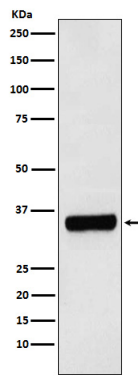
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PRKRA
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	PRKRA
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).
Cellular Location	Cytoplasm, perinuclear region. Cytoplasm.

Images



Western blot analysis of PRKRA expression in HepG2 cell lysate.

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