

PRKRA Antibody

Rabbit mAb Catalog # AP92336

Product Information

Application WB, IHC **Primary Accession** 075569

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names RAX; PACT; DYT16; HSD14;

IsotypeRabbit IgGHostRabbitCalculated MW34404

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/EFI2-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

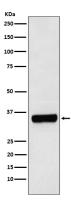
Function Activates EIF2AK2/PKR in the absence of double-stranded RNA (dsRNA),

leading to phosphorylation of EIF2S1/EFI2-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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