



PRKRA Polyclonal Antibody

Catalog No	YP-Ab-07774
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PRKRA PACT RAX HSD-14 HSD14
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PRKRA Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PACT;Interferon-inducible double-stranded RNA-dependent protein kinas; PRKRA;PRKRA PACT RAX HSD-14 HSD14;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) (Prote
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Cytoplasm, perinuclear region. Cytoplasm.
Tissue Specificity	Brain,Epithelium,Placenta,Testis,
Function	disease:Defects in PRKRA are the cause of dystonia type 16 (DYT16) [MIM:612067]. DYT16 is an early-onset dystonia-parkinsonism disorder. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. DYT16 patients have progressive, generalized dystonia with axial muscle involvement, oro-mandibular (sardonic smile) and laryngeal dystonia and, in some cases, parkinsonian features., function:Appears to have a pro-apoptotic function that may be suppressed in the presence of growth factor (By similarity). Activates EIF2AK2 in absence of double stranded RNA (dsRNA).,PTM:Phosphorylated on serine.,



similarity: Contains 3 DRBM (double-stranded RNA-binding) domains.,
subunit: Heterodimer. Interacts with EIF2AK2 through its DRBM domains. Also
able to interact with dsRNA.,

Background

This gene encodes a protein kinase activated by double-stranded RNA which mediates the effects of interferon in response to viral infection. Mutations in this gene have been associated with dystonia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2008],

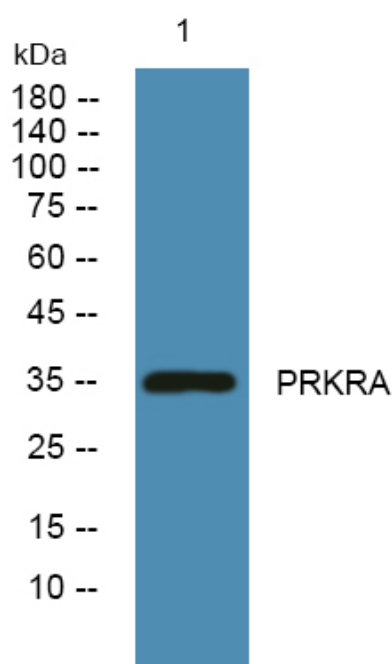
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells,
primary antibody was diluted at 1:1000, 4° over night