

Anti-PRKRA Antibody (9V632)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 34 kDa. Actual: 37 kDa.
Clone:	9V632
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. 25 ug total protein per lane of various lysates (see on figure) probed with PRKRA monoclonal antibody, unconjugated (TMAB-11747) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. The HepG2 (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-PRKRA antibody (TMAB-11747, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p>
Application:	FCM,IF,IHC-Fr,IHC-P,WB
Recommended	FCM=1:50-100; IF=1:100-200; IHC-Fr=1:100-200; IHC-P=1:100-200; WB=1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human PRKRA
Antigen Species:	Human
Gene ID:	8575
Uniprot ID:	O75569

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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