

Anti-Phospho-PKC $\alpha$  (Thr638) Antibody (4G731)

## Product Details

Ig Type:	Rabbit IgG Human;
Reactivity:	Predicted to React with:>Human Phospho-PKC $\alpha$ (Thr638);   Predicted to React with: Species predicted to react based on 100% sequence homology: Mouse, Rat, Cynomolgus, Bovine
Conjugation:	Unconjugated
Clone:	4G731
Purification:	Protein A

## Applications

Verified Activity:	1. Western blot analysis of extracts from HEK-293, untreated (line A); treated with antigen-specific phosphopeptide (line B) or antigen-specific peptide (line C) using Phospho-PKC $\alpha$ (Thr638) Antibody, Rabbit MAb at 1:1000 dilution. 2. Western blot analysis of extracts from HEK-293, using Phospho-PKC $\alpha$ (Thr638) Antibody, Rabbit MAb and other brands' antibodies (Company C) at dilution of 1:1000 and 1:20000.
Application:	WB
Recommended	WB: 1:1000-1:5000

## 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. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: residues around Thr638 of human Phospho-PKC $\alpha$ .
Antigen Species:	Human
Synonyms:	PKC $\alpha$ ;AAG6;PKC A;PKC $\alpha$ alpha;PRKACA;PKCI+/-;PKCA;PKC $\alpha$ (p-Thr638);Phospho-PKC $\alpha$ (T638); PKC-alpha;p-PKC $\alpha$ (T638);PKC $\alpha$ (p-T638);p-PKC $\alpha$ (Thr638)

## Research Background

Protein kinase C alpha (PRKCA) is involved in multiple functions and has been implicated in heart failure risks and treatment outcomes. The protein kinase C alpha (PRKCA) gene, coding for a Th17-cell-selective kinase, shows a complex splicing pattern, with at least 2 stable alternative transcripts characterized by an alternative upstream polyadenylation site. Polymorphisms in this gene were associated with several conditions, including multiple sclerosis, asthma, schizophrenia, and cancer. The protein kinase C alpha (PRKCA) gene, encoding a Th17-cell-selective kinase, was repeatedly associated with multiple sclerosis (MS).PRKCA polymorphisms and gene-gene interactions within the ACEi pathway affect the antihypertensive responses to enalapril.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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