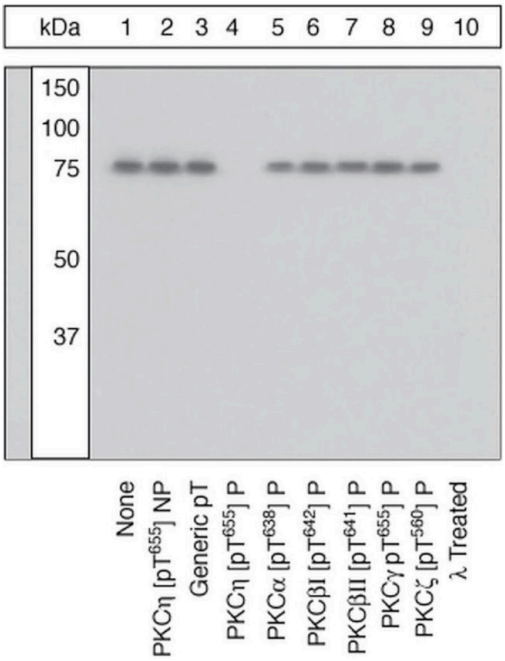
Phospho-PKC eta (Thr655) Polyclonal Antibody

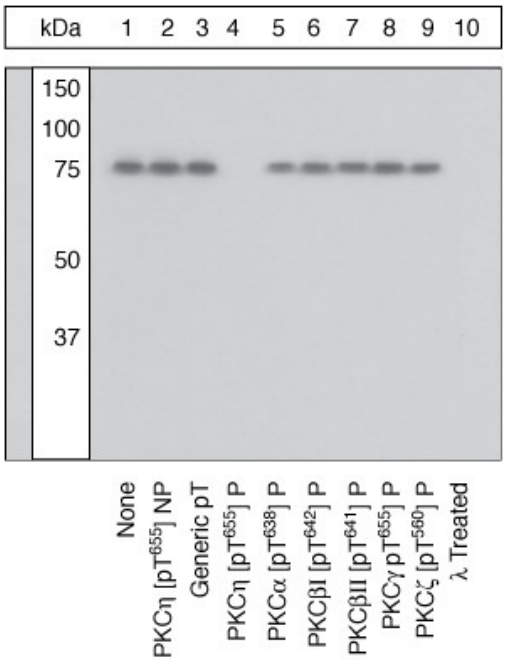
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human PKC-eta that contains threonine 655.
Form	Liquid
Purification	Affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533813

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-

Product Images For Phospho-PKC eta (Thr655) Polyclonal Antibody



Phospho-PKC eta (Thr655) Antibody (44-969)
Antibody specificity is demonstrated by Peptide Array. Western blotting of Phospho-PKC eta (Thr655) using anti-Phospho-PKC eta (Thr655) Polyclonal Antibody (Product # 44-969) shows loss of signal with the specific peptide and not with other relevant peptides. {ARRAY}



Phospho-PKC eta (Thr655) Antibody (44-969) in WB
Peptide Competition and Phosphatase Treatment. Lysates prepared from Jurkat cells stimulated with PMA were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were either left untreated (1-9) or treated with lambda phosphatase (10), blocked with a 5% BSA-TBST buffer overnight at 4°C, and incubated with 1:2000 dilution of Phospho-PKCeta (Thr655) antibody for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 10), the non-phosphopeptide corresponding to the immunogen (2), a generic phosphothreonine containing peptide (3), the phosphopeptide immunogen (4), or, the phosphopeptide corresponding to the immunogen from other PKC isoforms (5-9). After washing, membranes were incubated with goat F (ab and quote;)2 anti-rabbit IgG HRP conjugate (Product # ALI4404) and bands were detected using the Pierce SuperSignal™ method. The data show that the peptide corresponding to PKCeta (pT655) blocks the antibody signal. The antibody signal was not blocked by the peptides corresponding to PKC isoforms phospho-alpha (Thr638), phospho-betaI (Thr642), phospho-betaI (ThrT641), phospho-gamma (Th655) and zeta (Thr560), thereby demonstrating the specificity of the antibody. The data also show that phosphatase stripping eliminates the signal, verifying that the antibody is phospho-specific.