

# Phospho-PKC beta-1 (Thr642) Recombinant Polyclonal Antibody (23HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	23HCLC
Conjugate	Unconjugated
Immunogen	Peptide corresponding to Human PKC-beta (aa Chemically synthesized phosphopeptide derived from a region of human PKCβ1 that contains threonine 642. The sequence is conserved in rat. (Antigen similar to 44-963G ))
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2632981

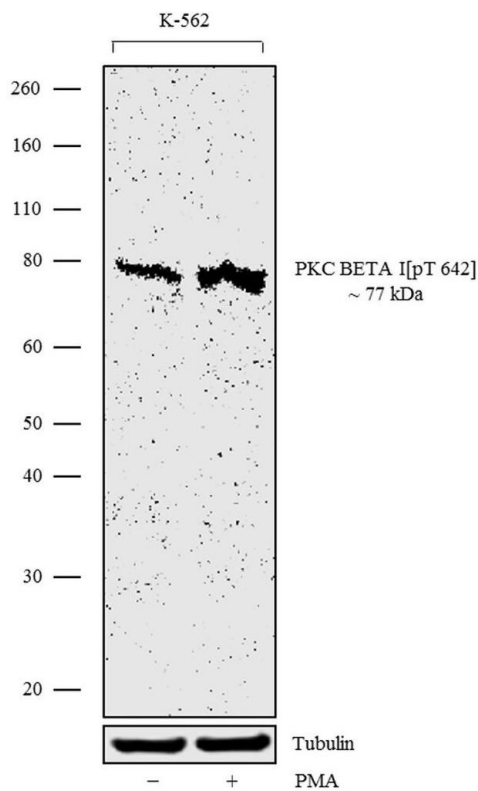
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-

## Product Specific Information

This antibody is predicted to react with Monkey, Rat, Bovine and Mouse

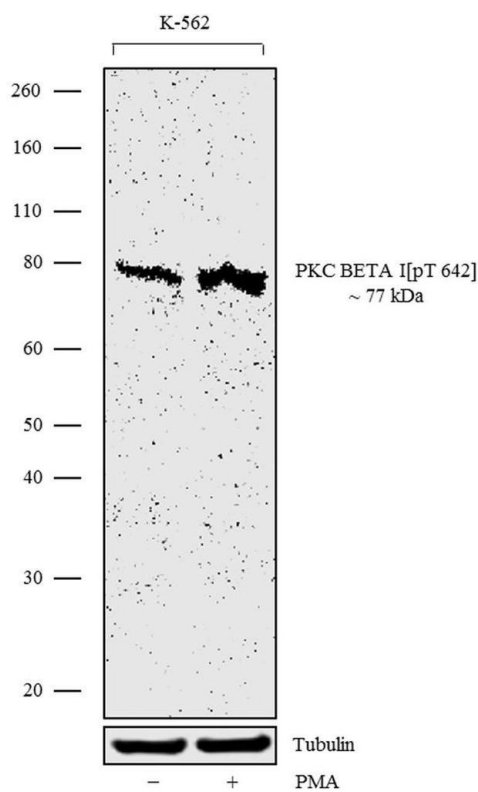
Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For Phospho-PKC beta-1 (Thr642) Recombinant Polyclonal Antibody (23HCLC)



Phospho-PKC beta-1 (Thr642) Antibody (711723)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of PKC BETA I[pT 642] using Recombinant Rabbit Polyclonal Anti-PKC BETA I[pT 642] (Product # 711723), showing expression of PKC BETA I[pT 642] in K562 upon treatment with PMA. {TM}



Phospho-PKC beta-1 (Thr642) Antibody (711723) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of K-562 (Lane 1) and K-562 treated with PMA (1 ng/mL for 10 mins) (Lane 2). The blots were probed with Anti-PKC BETA I (pT 642) Recombinant Rabbit Polyclonal Antibody (Product # 711723, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 77 kDa band corresponding to PKC BETA I (pT 642) was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex®NuPAGE®4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).

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