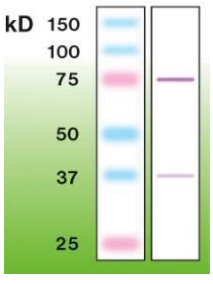
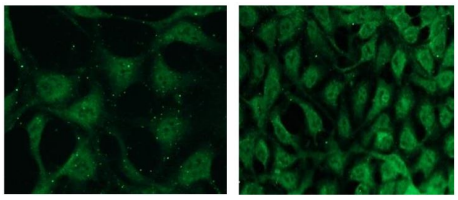
Product Data Sheet:
PKC beta

Cat. No:	MAB-94554
Size:	100 ug
Clone:	N11-S
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Peptide derived from C-terminal sequence of human PKC-betaII. Antibody recognizes the epitope located between Asn663 - Lys 672.
Reactivity:	Hu, Ms, Rt
Applications:	Western blot: 1:5,000 ELISA: 1:10,000-1:50,000 Immunocytochemistry (ICC): to be tested by user Immunoprecipitation: to be tested by user
Purification:	Aff. Pur.
Background:	Major clone of rabbit immunoglobulin corresponding to immunogenic peptide. PRECAUTIONS 1. Intended for professional In Vitro Diagnostic use in laboratories. 2. Do not use after expiration date stamped on vial label. 3. Avoid contamination of the reagent. 4. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results. 5. The reagent contains sodium azide (NaN3) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous. 6. Disposal of waste material must be conducted in accordance with local regulations. 7. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
Form:	Liquid
Buffer:	20 mM Tris-HCl, pH 8.0
Storage:	10 µl aliquots at -20°C Avoid repeated freezing and thawing



Anti – PKC-beta II
Western blot of PKC-beta II in mouse brain crude lysate (50 µg of protein loaded).



Representative pictures of PKC-βII expression in HEK293 cells, visualized with clonal rabbit anti-PKC-βII monospecific antibody. Primary antibody dilution – 1:200.

WESTERN BLOT (WB) PROTOCOL - INSTRUCTION MANUAL

Western immunoblotting solutions:
– Wash buffer: 1x Tris Buffered Saline (TBS); 0.2% Triton X-100
– Blocking buffer: 1xTBS; 0.2% Triton X-100; 5% nonfat dry milk
For western blots, incubate the membrane with antibody diluted in blocking buffer for 2 hours at room temperature.

IMMUNOCYTOCHEMISTRY (ICC) PROTOCOL - INSTRUCTION MANUAL

1. Coat coverslips with 1% gelatin-coating solution for 2 hours at room temperature (RT); rinse with distilled water, and let to dry overnight. Before plating the cells, wash the coated coverslips briefly with PBS.
2. Fix the cells with 4% paraformaldehyde solution (in PBS, pH 7.2), for 15 min at RT.
3. Wash 2 x 3 min with PBS.
4. Permeabilize the cells with 0.1% Triton X-100 solution (in PBS, pH 7.2) for 5 min on ice.
5. Wash 2 x 3 min with PBS.
6. Incubate the cells in blocking buffer (0.3M glycine in PBS, 2% BSA) for 30 min at RT.
7. Incubate the cells with primary antibody: anti-PKC-βII clonal antibody at the dilution of 1:100 – 1:400 in antibody dilution buffer (PBS, 1% BSA) for 1 hour at RT in humid chamber.
8. Wash 2 x 3 min with PBS.
9. Apply the secondary antibody (in this case, the goat anti-rabbit IgG-FITC was used at 1:300 in antibody dilution buffer, and cells were incubated for 1 hour at RT in dark).
10. Wash 3 x 3 min with PBS.
11. Rinse once with distilled water.
12. Mount the slide for observation, with a drop of anti-fade mounting medium.