

Catalog No. LF-PA0046

POLYCLONAL ANTIBODY



Anti-PP2Ac- α (Anti-Protein Phosphatase 2A catalytic subunit- α)

Background : Protein Phosphatase 2A (PP2A) is one of the major Ser/Thr phosphatases implicated in the regulation of many cellular processes including regulation of different signal transduction pathways, cell cycle progression, DNA replication, gene transcription and protein translation. The core structure comprises a 36 kDa catalytic subunit (PP2A_C) and a 65 kDa regulatory subunit (PR65 or A subunit). Each PP2A subunit has at least two isoforms and the catalytic subunit, present in the α and β isoforms, share 97% homology. The differential association of all these subunits gives rise to an extensive subset of oligomeric holoenzymes. It is widely thought that PP2A exercises regulatory flexibility and differential substrate specificity through the specific association of the core dimer (PP2A_D) with one of the three regulatory B subunits. Moreover, PP2A interacts with a still growing number of cellular and viral proteins and is regulated by posttranslational modifications.

Immunogen : Synthetic peptide

Host : Rabbit

Type : Purified

Isotype : IgG

Size : 100 μ l

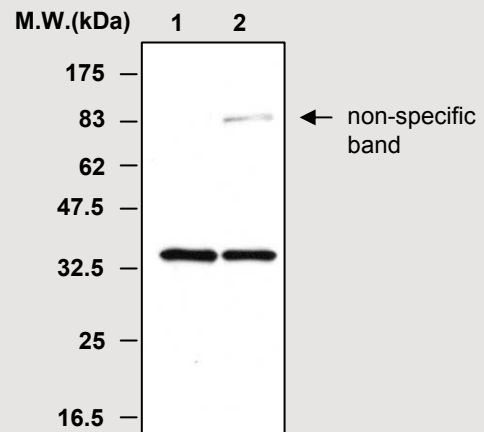
Compositon : PBS containing 50% glycerol

Positive control : U937 cell lysate

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	+	+



Immunoblot Analysis of cell lysates

Lane 1 : U937 cell lysate

Lane 2 : HuT 78 cell lysate

Applications :

Western blotting (1:1,000~2,000)

Immunoprecipitation was not tested

Background Reference :

- 1) Janssens V. et al, (2005) *Curr Opin Genet Dev.* vol.15(1): pp.34-41.
- 2) Garcia A. et al, (2003) *Biochimie.* vol.85(8): pp.721-6.
- 3) Van Hoof C. et al, (2004) *Cancer Cell.* vol.5(2): pp.105-6.
- 4) Van Hoof C. et al, (2003) *Biochim Biophys Acta.* vol.1640(2-3): pp.97-104.
- 5) Lechward K. et al, (2001) *Acta Biochim Pol.* vol.48(4): pp.921-33.

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