

Product datasheet for **AP06572PU-M**

PP2A-alpha (PPP2CA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 270-320 of Human PP2A-α.
Specificity:	This antibody detects endogenous levels of PP2A-alpha protein. (region surrounding Thr301)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 35 kDa
Gene Name:	protein phosphatase 2 catalytic subunit alpha
Database Link:	Entrez Gene 5515 Human P67775



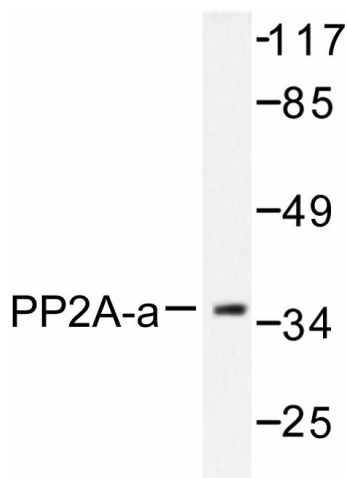
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Background:

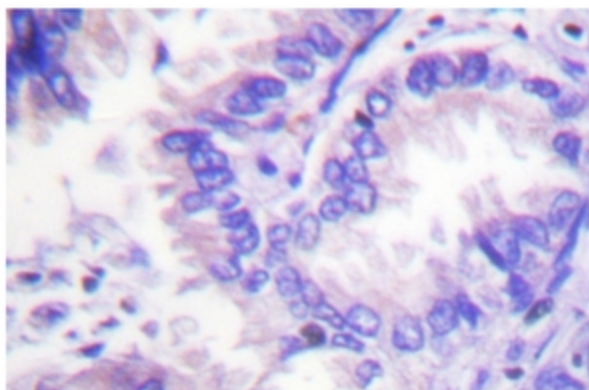
In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunits have been identified, designated PP1, PP2A, PP2B (calcineurin) and PP2C. The PP2A family comprises subfamily members PP2A α and PP2A β . An additional protein phosphatase catalytic subunit, PPX (also known as PP4) is a putative member of a novel PP family.

Synonyms:

Protein Phosphatase 2A, PP2A-alpha, Replication protein C

Product images:


Western blot analysis of PP2A-alpha antibody in extracts from A549 cells.



Immunohistochemistry analysis of PP2A-alpha antibody in Paraffin-embedded Human lung carcinoma tissue.