

Product datasheet for **AM20663PU-N**

PPP1CA Mouse Monoclonal Antibody [Clone ID: PP-1A]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PP-1A
Applications:	WB
Recommended Dilution:	Western Blot: 2 - 4 µg/ml.
Reactivity:	Human, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant rabbit protein phosphatase 1α (PP1α) catalytic subunit
Specificity:	This antibody reacts to PPP1CA.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution 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.
Database Link:	Entrez Gene 100009298 Rabbit P62139



[View online »](#)

Background:

Protein phosphatase 1 alpha(PP1A)is one of four major serine/threonine-specific protein phosphatases which have been identified in eukaryotic cells by enzymatic methods. Phosphorylation of serine and threonine residues in proteins is a crucial step in the regulation of many cellular functions ranging from hormonal regulation to cell division and even short-term memory. Protein phosphatase-1 determined the efficacy of learning and memory by limiting acquisition and favoring memory decline. PPP1A gene is mapped to 11q13. Protein phosphatase 1 is a molecular constraint on learning and memory.

Synonyms:

PPP1A, PP-1A