

PPM1E Rabbit pAb

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Catalog # AP57851

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8WY54
Reactivity	Mouse
Predicted	Rat, Pig, Human, Zebrafish, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83952
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PPM1E
Epitope Specificity	321-420/764
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Cytoplasm. A truncated form, major form, with the C-terminal part missing, is mostly found in the cytoplasm and a little in the nucleus. The full length, minor form, is found in the nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the PPM family of serine/threonine-protein phosphatases. The encoded protein is localized to the nucleus and dephosphorylates and inactivates multiple substrates including serine/threonine-protein kinase PAK 1, 5'-AMP-activated protein kinase (AMPK) and the multifunctional calcium/calmodulin-dependent protein kinases. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]

Additional Information

Gene ID	22843
Other Names	Protein phosphatase 1E, 3.1.3.16, Ca(2+)/calmodulin-dependent protein kinase phosphatase N, CaMKP-N, CaMKP-nucleus, CaMKN, Partner of PIX 1, Partner of PIX-alpha, Partner of PIXA, PPM1E, CAMKN, KIAA1072, POPX1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

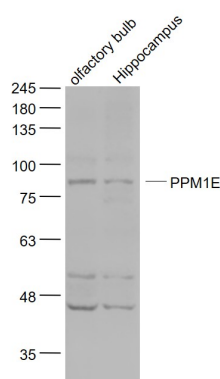
Protein Information

Name	PPM1E
Synonyms	CAMKN, KIAA1072, POPX1
Function	Protein phosphatase that inactivates multifunctional CaM kinases such as CAMK4 and CAMK2 (By similarity). Dephosphorylates and inactivates PAK. May play a role in the inhibition of actin fiber stress breakdown and in morphological changes driven by TNK2/CDC42. Dephosphorylates PRKAA2 (By similarity).
Cellular Location	Nucleus. Cytoplasm. Note=A truncated form, major form, with the C-terminal part missing, is mostly found in the cytoplasm and a little in the nucleus. The full-length, minor form, is found in the nucleus.

Background

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Images



Sample:

Olfactory bulb(Mouse) Lysate at 40 ug

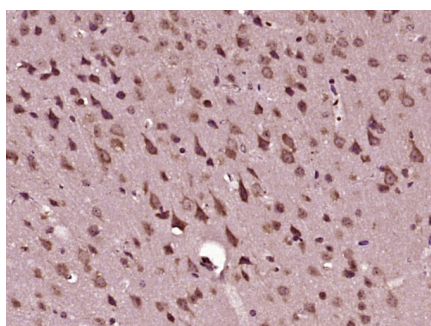
Hippocampus (Mouse) Lysate at 40 ug

Primary: Anti- PPM1E (AP57851) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 85 kD

Observed band size: 85 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PPM1E) Polyclonal Antibody, Unconjugated (AP57851) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.