

## Anti-PPAPDC1A PLPP4 Antibody

Catalog Number: A14264

### About PPAPDC1A

Phosphatidate phosphatase (PAP) plays important role in lipid-signaling metabolism in eukaryotic cells. Two distinct types of PAP (PAP1 and PAP2) activity have been distinguished by their subcellular localization and differential sensitivity to N-ethylmaleimide(NEM) and Mg<sup>2+</sup>. A yeast diacylglycerol pyrophosphate (DGPP) phosphatase (DPP1) and mammalian DGPP phosphatase (PAP2) have been identified as Mg<sup>2+</sup>-independent and NEM-insensitive membrane-associated. PPAPDC1A (also known as DPPL2) and PPAPDC1B (DPPL1) form a novel type of Mg<sup>2+</sup>-independent and NEM-sensitive mammalian phosphatidate phosphatase showing broad substrate specificity. PPAPDC1A is preferentially expressed in endothelial cells. Studies of PPAPDC1A and PAP activity suggest that they may play a role in angiogenesis.

### Overview

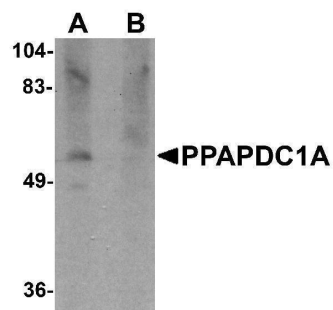
Product Name	Anti-PPAPDC1A PLPP4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PPAPDC1A PLPP4 Antibody (Catalog # A14264). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	PPAPDC1A Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PPAPDC1A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q5VZY2

### Technical Details

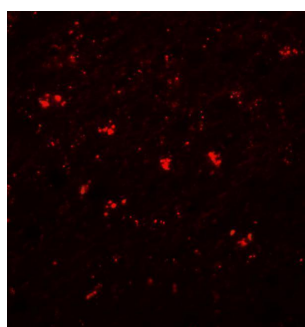
Immunogen	PPAPDC1A antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human PPAPDC1A. The immunogen is located within the last 50 amino acids of PPAPDC1A.
Predicted Reactive Species	Bovine, Mouse, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	PPAPDC1A Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PPAPDC1A antibody can be used for detection of PPAPDC1A by Western blot at 1 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-PPAPDC1A PLPP4 Antibody (A14264) Images



Western blot analysis of PPAPDC1A in human brain tissue lysate with PPAPDC1A antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of PPAPDC1A in human brain tissue with PPAPDC1A antibody at 20 ug/mL.

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