

PPAP2C Polyclonal Antibody

Catalog NumberPA1-12729

Product data sheet

Details		Species Reactivity	
Size	10 Miniblots	Species reactivity	Human, Pig
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	ELISA (ELISA)	Assay-dependent
Type	Antibody	Western Blot (WB)	Assay-dependent
Immunogen	Synthetic peptide corresponding to lipid phosphate phosphohydrolase 2.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Storage Conditions	-80° C, Avoid Freeze/Thaw Cycles		

Product specific information

A suggested positive control for this product is human brain lysate.

Background/Target Information

Phosphatidic acid phosphatase type 2 (PAP2) was originally identified as a plasma membrane enzyme that catalyses the dephosphorylation of the putative second messenger, phosphatidic acid (PA) to diacylglycerol (DG). Subsequently, multiple isoforms of PAP2 were cloned [2-5]. It was found that these enzymes dephosphorylate a number of lipid phosphates in vitro other than PA, including the potent bioactive lipids, lysophosphatidic acid (LPA) and sphingosine 1-phosphate (S1P). Therefore, they have been renamed lipid phosphate phosphatases (LPPs). Currently, there are four members of this family called LPP1, LPP1a, LPP2 and LPP3.

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