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Product datasheet for TA506857AM

PPAP2A (PLPP1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1H4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H4
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PPAP2A(NP_003702) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32 kDa
Gene Name:	phospholipid phosphatase 1
Database Link:	NP_003702 Entrez Gene 8611 Human O14494

View online »

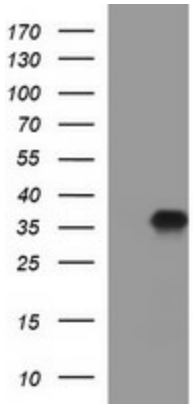
Background: The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is an integral membrane glycoprotein, and has been shown to be a surface enzyme that plays an active role in the hydrolysis and uptake of lipids from extracellular space. The expression of this gene is found to be regulated by androgen in a prostatic adenocarcinoma cell line. At least two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]

Synonyms: LLP1a; LPP1; PAP-2a; PAP2; PPAP2A

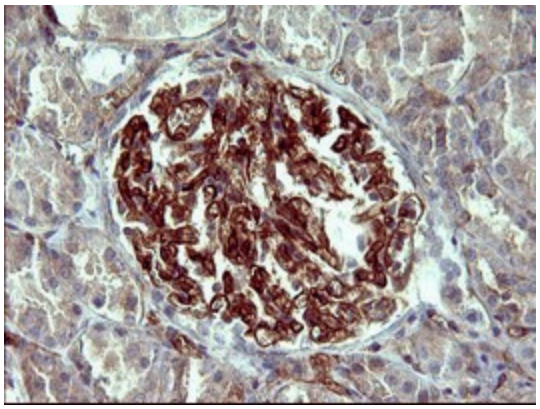
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Sphingolipid metabolism

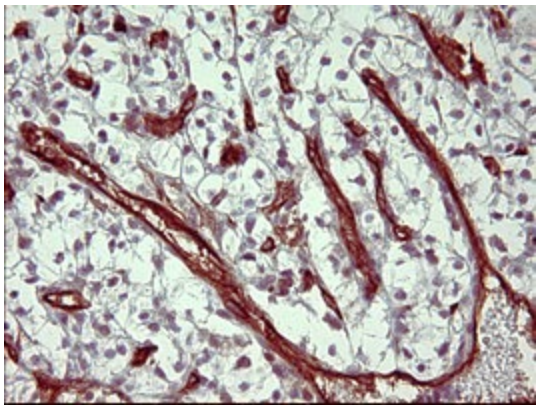
Product images:



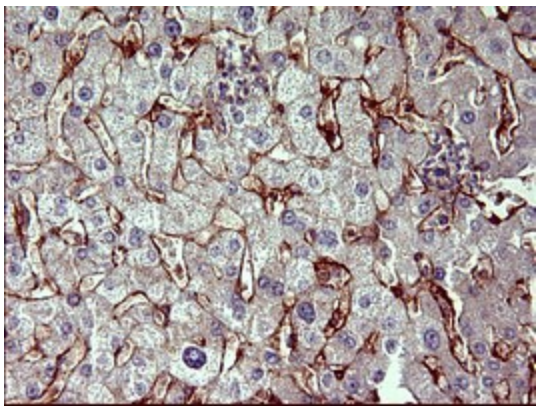
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PPAP2A (Cat# [RC208064], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPAP2A(Cat# [TA506857]). Positive lysates [LY418483] (100ug) and [LC418483] (20ug) can be purchased separately from OriGene.



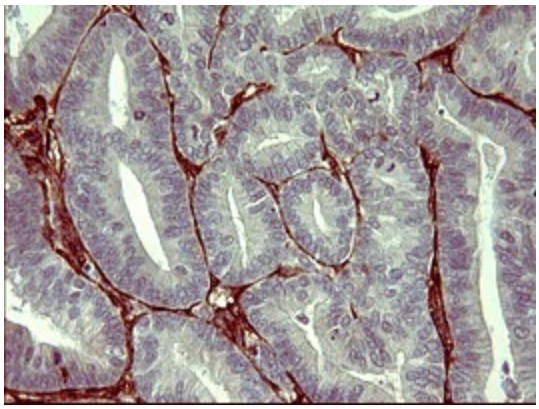
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PPAP2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506857])



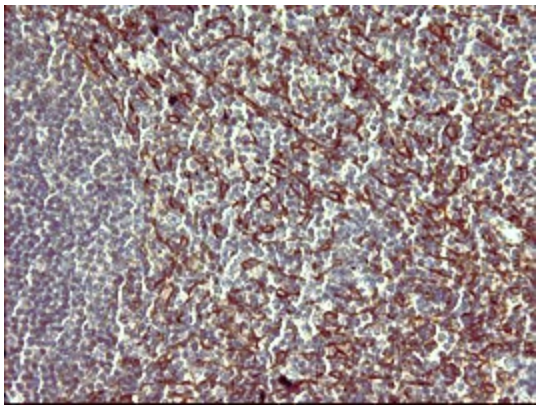
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-PPAP2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506857])



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PPAP2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506857])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PPAP2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506857])



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-PPAP2A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506857])