Datasheet for ABIN2775553

anti-PPAP2A antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	PPAP2A
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPAP2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PPAP2A
Sequence:	QIYPFQRGFF CKDNSINYPY HDSTVTSTVL ILVGVGLPIS SIILGETLSV
Predicted Reactivity:	Guinea Pig: 86%, Human: 100%, Mouse: 79%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against PPAP2A. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	PPAP2A

Target Details

Alternative Name:	PPAP2A (PPAP2A Products)
Background:	PPAP2A 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 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. Alias Symbols: LLP1a, LPP1, PAP-2a, PAP2, PAP2a2, PAP2alpha2, PAPalpha1 Protein Interaction Partner: FAHD1, IGF2BP2, ILF3, UBC, FXYD1, Protein Size: 285
Molecular Weight:	31 kDa
Gene ID:	8611
NCBI Accession:	NM_176895, NP_795714
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 285 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

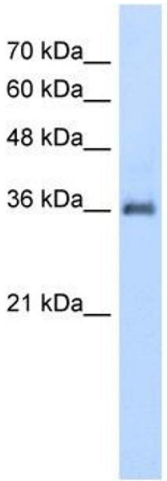
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

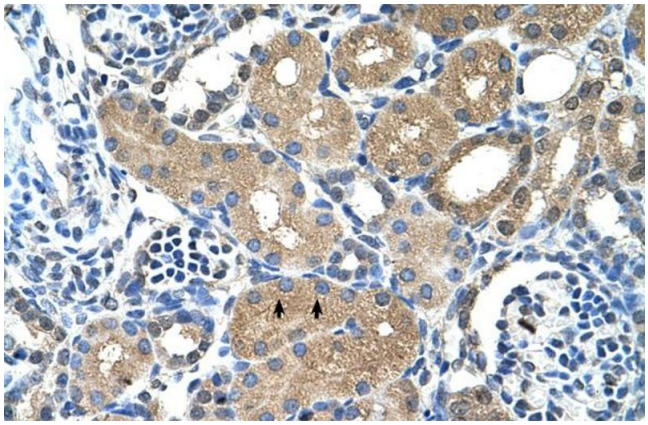
Product cited in:	Sakamaki, Ishii, Sakata, Takemoto, Takagi, Takeuchi, Morishita, Takahashi, Nozawa, Shinoda, Chiba, Sugimoto, Saito, Tamate, Satou, Jung, Matsuoka, Koyamada, Sawasaki, Nagai, Ueno: " Dysregulation of a potassium channel, THIK-1, targeted by caspase-8 accelerates cell shrinkage." in: **Biochimica et biophysica acta**, Vol. 1863, Issue 11, pp. 2766-2783, (2016) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-PPAP2A Antibody Titration: 5.0ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Human kidney