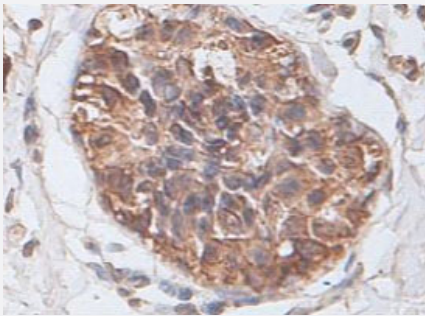


PTP4A2 polyclonal antibody

Catalog # PAB18892 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed paraffin-embedded human prostate carcinoma tissue showing cytoplasmic and membrane staining with PTP4A2 polyclonal antibody (Cat # PAB18892) at 1 : 100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant PTP4A2.
Immunogen	Recombinant protein corresponding to amino acids 2-167 of human PTP4A2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:10000-1:80000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed paraffin-embedded human prostate carcinoma tissue showing cytoplasmic and membrane staining with PTP4A2 polyclonal antibody (Cat # PAB18892) at 1 : 100 dilution.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTP4A2

Entrez GeneID [8073](#)

Protein Accession# [AF208850](#)

Gene Name PTP4A2

Gene Alias HH13, HH7-2, HU-PP-1, OV-1, PRL-2, PRL2, PTP4A, PTPCAAX2, ptp-IV1a, ptp-IV1b

Gene Description protein tyrosine phosphatase type IVA, member 2

Omim ID [601584](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasma and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants that encode two distinct isoforms have been described. [provided by RefSeq]

Other Designations OTTHUMP00000003902|phosphatase of regenerating liver 2|protein tyrosine phosphatase IVA|protein tyrosine phosphatase IVA2