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TPT1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8505c

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P13693
Other Accession	P43348, P61288, Q5E984
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Pig, Rabbit, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	19595
Antigen Region	85-113

Additional Information

Gene ID	7178
Other Names	Translationally-controlled tumor protein, TCTP, Fortilin, Histamine-releasing factor, HRF, p23, TPT1
Target/Specificity	This TPT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-113 amino acids from the Central region of human TPT1.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TPT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TPT1
Function	Involved in calcium binding and microtubule stabilization (PubMed:12167714, PubMed:15162379, PubMed:15958728). Acts as a

	negative regulator of TSC22D1-mediated apoptosis, via interaction with and destabilization of TSC22D1 protein (PubMed:18325344).
Cellular Location	Cytoplasm.
Tissue Location	Found in several healthy and tumoral cells including erythrocytes, hepatocytes, macrophages, platelets, keratinocytes, erythroleukemia cells, gliomas, melanomas, hepatoblastomas, and lymphomas. It cannot be detected in kidney and renal cell carcinoma (RCC). Expressed in placenta and prostate

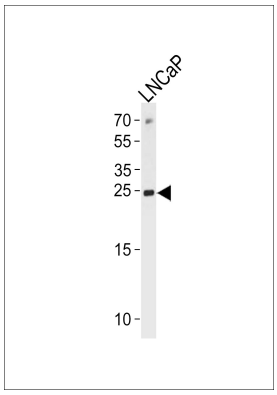
Background

TPT1 is involved in calcium binding and microtubule stabilization.

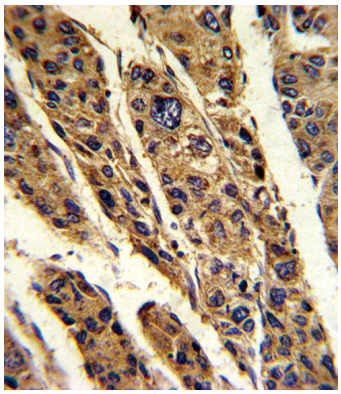
References

Choi,S., et.al., PLoS ONE 4 (6), E5732 (2009)
Sanchez,J.C., et.al., Electrophoresis 18 (1), 150-155 (1997)

Images

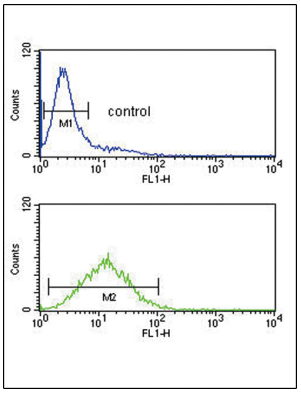


TPT1 Antibody (Center) (Cat. #AP8505c) western blot analysis in LNCaP cell line lysates (35ug/lane).This demonstrates the TPT1 antibody detected the TPT1 protein (arrow).



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with TPT1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

TPT1 Antibody (Center) (Cat. #AP8505c) flow cytometric analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.