

For Research Use Only

CTPS2 Polyclonal antibody

Catalog Number: 12852-1-AP **3 Publications**



Basic Information

Catalog Number: 12852-1-AP	GenBank Accession Number: BC034986	Purification Method: Antigen affinity purification
Size: 260 µg/ml	GeneID (NCBI): 56474	Recommended Dilutions: WB 1:500-1:2000 IHC 1:100-1:400
Source: Rabbit	UNIPROT ID: Q9NRF8	
Isotype: IgG	Full Name: CTP synthase II	
Immunogen Catalog Number: AG3490	Calculated MW: 586 aa, 66 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse testis tissue, HeLa cells, human adrenal gland tissue IHC : human prostate cancer tissue, human colon tissue
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CTPS2 (CTP synthase 2) is also named as UTP--ammonia ligase 2 and belongs to the CTP synthase family. It catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen and constitutes the rate-limiting enzyme in the synthesis of cytosine nucleotides.

Notable Publications

Author	Pubmed ID	Journal	Application
S John Calise	27343244	J Cell Sci	IF
Gerson Dierley Keppeke	26165495	J Genet Genomics	WB
Wendy C Carcamo	24411169	Int Rev Cell Mol Biol	IF

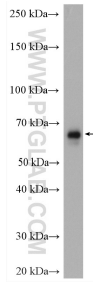
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

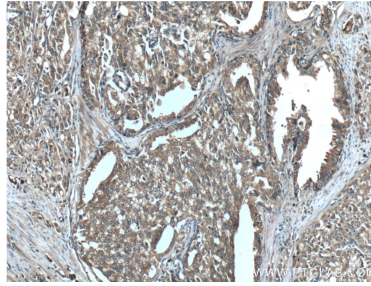
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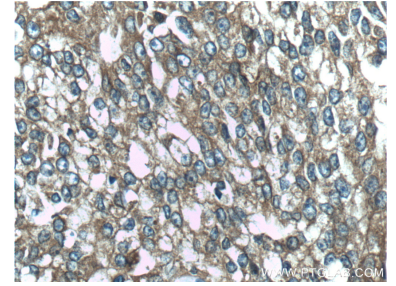
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12852-1-AP (CTPS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12852-1-AP (CTPS2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12852-1-AP (CTPS2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).