

For Research Use Only

CTPS2 Polyclonal antibody

Catalog Number: 12852-1-AP

3 Publications



Basic Information

Catalog Number:

12852-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3490

GenBank Accession Number:

BC034986

GeneID (NCBI):

56474

UNIPROT ID:

Q9NRF8

Full Name:

CTP synthase II

Calculated MW:

586 aa, 66 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF

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

Positive Controls:

WB: mouse testis tissue, HeLa cells, human adrenal gland tissue

IP: HeLa cells,

IHC: human colon tissue, human prostate cancer tissue

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

*** 20ul sizes contain 0.1% BSA

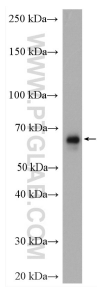
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

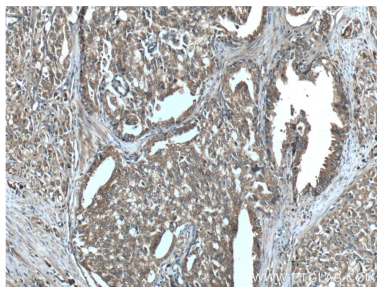
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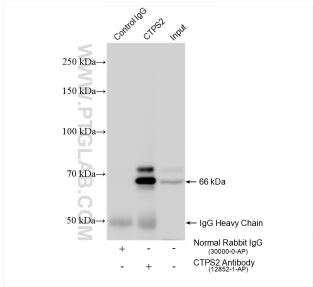
Selected Validation Data



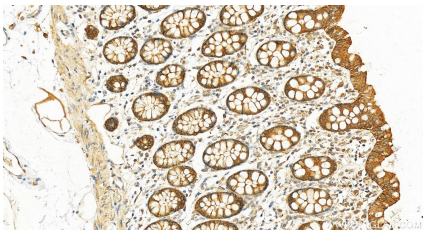
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12852-1-AP (CTPS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).



IP result of anti-CTPS2 (IP:12852-1-AP, 4ug; Detection:12852-1-AP 1:300) with HeLa cells lysate 1085 ug.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 12852-1-AP (CTPS2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).