

产品名称: CTPS Rabbit Polyclonal Antibody
产品货号: APRab09513



产品概述 (Summary)

产品名称 (Production Name)	CTPS Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CTPS1
别名 (Alternative Names)	CTPS1; CTPS; CTP synthase 1; CTP synthetase 1; UTP--ammonia ligase 1
基因 ID (Gene ID)	1503.0
蛋白 ID (SwissProt ID)	P17812.The antiserum was produced against synthesized peptide derived from human CTPS. AA range:60-109

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	67kDa

研究背景 (Background)

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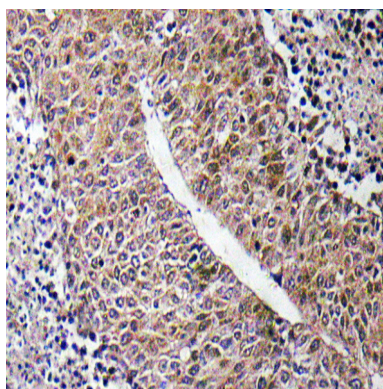


This gene encodes an enzyme responsible for the catalytic conversion of UTP (uridine triphosphate) to CTP (cytidine triphosphate). This reaction is an important step in the biosynthesis of phospholipids and nucleic acids. Activity of this protein is important in the immune system, and loss of function of this gene has been associated with immunodeficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014], catalytic activity: $\text{ATP} + \text{UTP} + \text{NH}_3 = \text{ADP} + \text{phosphate} + \text{CTP}$, enzyme regulation: Activated by GTP and inhibited by CTP, function: Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen, pathway: Pyrimidine metabolism; CTP biosynthesis via de novo pathway; CTP from UDP: step 2/2, similarity: Belongs to the CTP synthase family, similarity: Contains 1 glutamine amidotransferase type-1 domain.

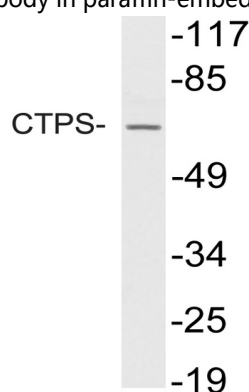
研究领域 (Research Area)

Pyrimidine metabolism;

图片 (Image Data)

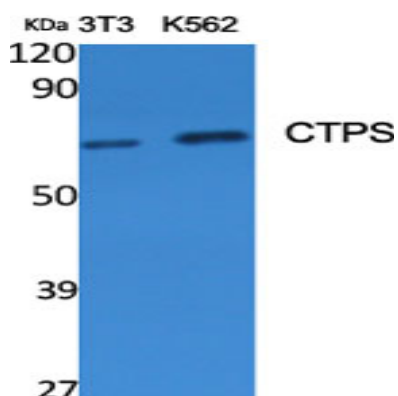


Immunohistochemistry analysis of CTPS antibody in paraffin-embedded human liver carcinoma tissue.



Western blot analysis of lysate from HUVEC cells, using CTPS antibody.

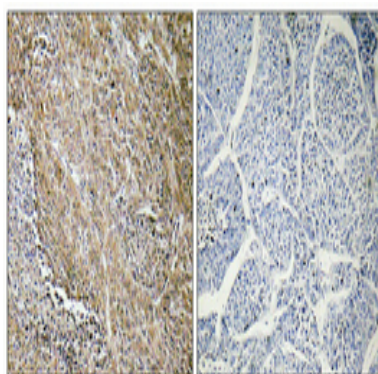
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Western Blot analysis of various cells using CTPS Polyclonal Antibody diluted at 1: 500



Western Blot analysis of HuvEc cells using CTPS Polyclonal Antibody diluted at 1: 500



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .