

CTP synthase / CTPS Rabbit mAb

Catalog No.: A20912 **Recombinant**

Basic Information

Observed MW

75kDa/75kd

Calculated MW

67kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2883

Background

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.

Recommended Dilutions

WB 1:500 - 1:1000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

1503

Swiss Prot

P17812

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human CTP synthase / CTPS (P17812).

Synonyms

CTPS; GATD5; IMD24; GATD5A; CTP synthase / CTPS

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

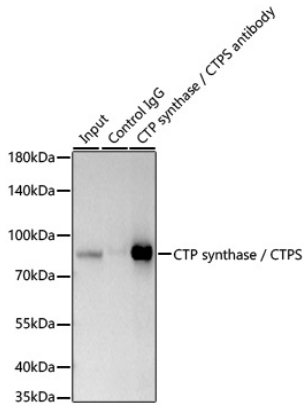
Affinity purification

Storage

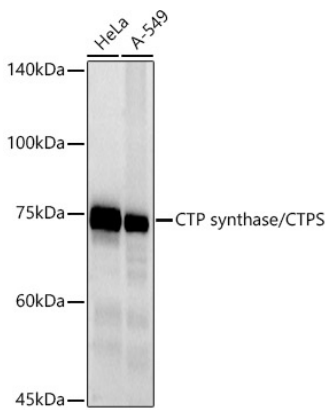
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

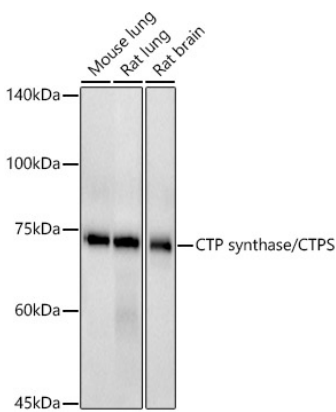
Validation Data



Immunoprecipitation of CTP synthase / CTPS from 300 μ g extracts of HeLa cells was performed using 0.5 μ g of CTP synthase / CTPS Rabbit mAb (A20912). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CTP synthase / CTPS Rabbit mAb (A20912) at a dilution of 1:500.



Western blot analysis of various lysates using CTP synthase / CTPS Rabbit mAb (A20912) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western blot analysis of various lysates using CTP synthase / CTPS Rabbit mAb (A20912) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.