

## Rabbit anti-Human CTP synthase/CTPS Monoclonal Antibody | anti-CTPS1 antibody

CTP synthase/CTPS Rabbit mAb

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                             |
|-----------|--------|------------|------------------------------------------|
| AAA282863 | Rabbit | Human      | ELISA, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

CTP synthase/CTPS; Monoclonal Antibody; CTP synthase/CTPS Rabbit mAb; CTPS; GATD5; IMD24; GATD5A; anti-CTPS1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                           |
| Reactivity                                      | Human                                                                                                            |
| Clonality                                       | Monoclonal                                                                                                       |
| Isotype                                         | IgG                                                                                                              |
| Purity/Purification                             | Affinity purification                                                                                            |
| Form/Format                                     | PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.                                                     |
| Sequence                                        | SVRELRLGL SPDLVVCRC NPLDTSVKEK ISMFCHVEPE QVICVHDVSS IYRVPLLEE QGVVDYFLRR<br>LDLPIERQPR KMLMKWKEMA DRYDRLLET C S |
| Applicable Applications for anti-CTPS1 antibody | ELISA, IP (Immunoprecipitation), WB (Western Blot)                                                               |
| Cross Reactivity                                | Human, Mouse, Rat                                                                                                |
| Immunogen                                       | A synthetic peptide corresponding to a sequence within amino acids 200-300 of human CTP synthase/CTPS (P17812).  |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                 |

### IMAGES



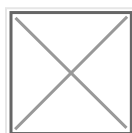
#### IP (Immunoprecipitation)

Immunoprecipitation of CTP synthase / CTPS from 300 ug extracts of HeLa cells was performed using 0.5 ug of CTP synthase / CTPS Rabbit mAb (AAA282863). 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 (AAA282863) at a dilution of 1:500.



#### WB (Western Blot)

Western blot analysis of various lysates using CTP synthase / CTPS Rabbit mAb (AAA282863) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



#### WB (Western Blot)

Western blot analysis of various lysates using CTP synthase / CTPS Rabbit mAb (AAA282863) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTPS1 antibody | 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. |
| Product Categories/Family for anti-CTPS1 antibody   | Signal Transduction; Endocrine Metabolism; Nucleotide metabolism; Antibodies                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                      |                                                 |
|----------------------|-------------------------------------------------|
| NCBI GI #            | 20981706                                        |
| NCBI GeneID          | 1503                                            |
| UniProt Accession #  | P17812; Q5VW67; Q96GK6; B4DR64; D3DPW1          |
| Molecular Weight     | Calculated MW: 67kDa<br>Observed MW: 75kDa/75kd |
| UniProt Protein Name | CTP synthase 1                                  |
| UniProt Gene Name    | CTPS1                                           |
| UniProt Entry Name   | PYRG1_HUMAN                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ctp-synthase-ctps-antibody-immunoprecipitation-western-blot-elisa/282863>