

**CTP synthase / CTPS Antibody**  
**Rabbit mAb**  
**Catalog # AP92913****Specification**

---

**CTP synthase / CTPS Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">P17812</a>
Clonality	Monoclonal
<b>Other Names</b>	
CTP synthase 1; CTPS; IMD24;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	66690 Da

**CTP synthase / CTPS Antibody - Additional Information**

Dilution	WB~~1:1000 FC~~1:10~50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CTP synthase / CTPS
Description	CTP synthase (CTPS) catalyzes the ATP-dependent conversion of UTP to CTP using either L-glutamine or ammonia as the source of nitrogen. The enzyme is important in the biosynthesis nucleic acids. It has a key role in cell growth, development, and tumorigenesis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**CTP synthase / CTPS Antibody - Protein Information****Name** CTPS1 ([HGNC:2519](#))**Function**

This enzyme is involved in the de novo synthesis of CTP, a precursor of DNA, RNA and phospholipids. Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as a source of nitrogen. This enzyme and its product, CTP, play a crucial role in the proliferation of activated lymphocytes and therefore in immunity.

**Cellular Location**

Cytoplasm, cytosol. Note=Mainly cytosolic but when active detected in long filamentous structures (PubMed:25223282). Co-localizes with TNK2 in the cytosolic filaments (By similarity).

{ECO:0000250|UniProtKB:P70698, ECO:0000269|PubMed:25223282}

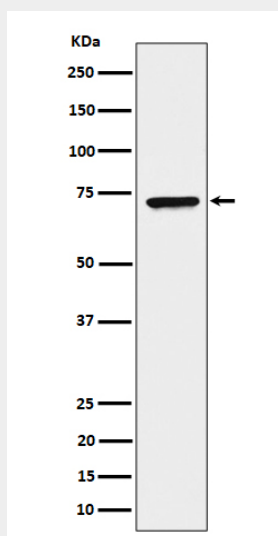
**Tissue Location**

Widely expressed..

**CTP synthase / CTPS Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CTP synthase / CTPS Antibody - Images**

Western blot analysis of CTP synthase / CTPS expression in HeLa cell lysate.