

# CTPS2 rabbit monoclonal antibody

Catalog # H00056474-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human CTPS2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CTPS2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CTPS2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — CTPS2

Entrez GeneID	<a href="#">56474</a>
GeneBank Accession#	<a href="#">CTPS2</a>
Gene Name	CTPS2
Gene Alias	DKFZp686C17207, FLJ43358, MGC32997
Gene Description	CTP synthase II
Omim ID	<a href="#">300380</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene catalyzes the formation of CTP from UTP with the concomitant deamination of glutamine to glutamate. This protein is the rate-limiting enzyme in the synthesis of cytosine nucleotides, which play an important role in various metabolic processes and provide the precursors necessary for the synthesis of RNA and DNA. Cancer cells that exhibit increased cell proliferation also exhibit an increased activity of this encoded protein. Thus, this protein is an attractive target for selective chemotherapy. Three alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq]
Other Designations	CTP synthetase isoform CTP synthetase type 2 OTTHUMP00000022985 OTTHUMP00000022986 UTP-ammonia ligase cytidine 5'-triphosphate synthetase 2 cytidine triphosphate synthase II

## Pathway

- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)