SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-CTPS2/FITC Conjugated antibody

Catalog Number: SL14101R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CTPS2/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human CTPS2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Cow,Horse,Rabbit,Sheep)
Background:	background: 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013] **Function:** Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen. Constitutes the rate-limiting enzyme in the synthesis of cytosine nucleotides. **Similarity:** Belongs to the CTP synthase family. Contains 1 glutamine amidotransferase type-1 domain. **Database links:**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 56474 Human **Entrez Gene:** 767849 Cow **Entrez Gene:** 55936 Mouse **Entrez Gene:** 619580 Rat Omim: 300380 Human **SwissProt:** Q5F3Z1 Chicken **SwissProt:** Q1RMS2 Cow **SwissProt:** Q9NRF8 Human **SwissProt:** P70303 Mouse **SwissProt:** Q5U2N0 Rat **Unigene:** 227049 Human **Unigene:** 2065 Mouse **Unigene:** 13683 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.