

Product datasheet for **TA361689**

CTPS2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CTPS2
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	586
Gene Name:	CTP synthase 2
Database Link:	NP_001137474.1 Entrez Gene 56474 Human Q9NRF8
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.
Synonyms:	DKFZp686C17207; FLJ43358; MGC32997



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Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Product images:



Host: Rabbit

Target Name: CTPS2

Sample Type: Leiomyosarcoma Tumor Lysate

Antibody Dilution: 1.0 μ g/ml

Host: Rabbit

Target Name: CTPS2

Sample Tissue: Human Leiomyosarcoma Tumor lysates

Antibody Dilution: 1 μ g/ml