

Rabbit CTPS2 Polyclonal Antibody | anti-CTPS2 antibody

CTPS2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285051	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

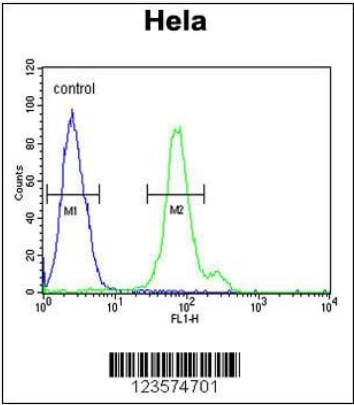
PRODUCT SYNONYMS

CTPS2; Polyclonal Antibody; CTPS2 Antibody (N-term); CTP synthase 2; CTP synthetase 2; UTP--ammonia ligase 2; anti-CTPS2 antibody

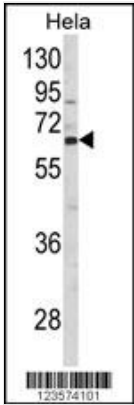
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CTPS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 77-105 amino acids from the N-terminal region of human CTPS2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	77-105
Sequence Length	586
Applicable Applications for anti-CTPS2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
CTPS2 Antibody (N-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of CTPS2 Antibody (N-term) in HeLa cell line lysates (35ug/lane). CTPS2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CTPS2 antibody	CTPS2 catalyzes the formation of CTP from UTP with the concomitant eamination 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.
Product Categories/Family for anti-CTPS2 antibody	Metabolism; Signal Transduction
References	Olsen,J.V., et.al., Cell 127 (3), 635-648 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316689
NCBI GeneID	56474
NCBI Accession #	NP_001137474.1; NP_062831.3; NP_787055.1
NCBI GenBank Nucleotide #	NM_001144002.1
UniProt Accession #	Q9NRF8; Q9BRI0; Q9H809; Q9H8K9; B3KWM2
Molecular Weight	65678
NCBI Official Full Name	CTP synthase 2
NCBI Official Synonym Full Names	CTP synthase 2
NCBI Official Symbol	CTPS2
NCBI Protein Information	CTP synthase 2
UniProt Protein Name	CTP synthase 2
UniProt Gene Name	CTPS2
UniProt Entry Name	PYRG2_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.

