

Rabbit CTPS2 Polyclonal Antibody | anti-CTPS2 antibody

CTPS2 Antibody (C-term)

CATALOG # AAA289692	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Bovine)	APPLICATIONS ELISA, Western Blot
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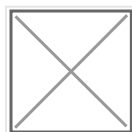
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

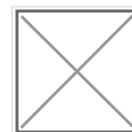
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CTPS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 450-479 amino acids from the C-terminal region of human CTPS2.
Purity/Purification	Peptide 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: 0.41 (varies by lot)
Sequence Positions	450-479
Sequence Length	586
Applicable Applications for anti-CTPS2 antibody	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



WB (Western Blot)

Western blot analysis of CTPS2 (arrow) using rabbit polyclonal CTPS2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CTPS2 gene.



WB (Western Blot)

CTPS2 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CTPS2 antibody detected the CTPS2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CTPS2 antibody	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.
Product Categories/Family for anti-CTPS2 antibody	Metabolism; Signal Transduction
References	Kassel, K.M., et al. J. Biol. Chem. 285(44):33727-33736(2010) Olsen, J.V., et al. Cell 127(3):635-648(2006) Han, G.S., et al. J. Biol. Chem. 280(46):38328-38336(2005) Ross, M.T., et al. Nature 434(7031):325-337(2005) van Kuilenburg, A.B., et al. Biochim. Biophys. Acta 1492 (2-3), 548-552 (2000) :

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctps2-antibody-western-blot-elisa/289692>