

Rabbit CTPS2 Polyclonal Antibody | anti-CTPS2 antibody

CTPS2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201135	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

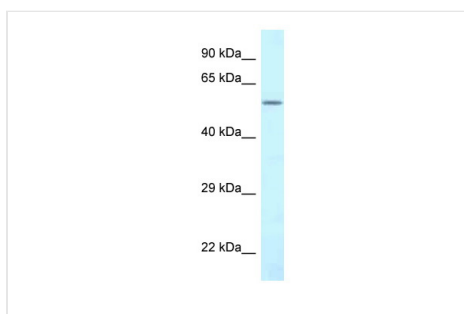
PRODUCT SYNONYMS

CTPS2; Polyclonal Antibody; CTPS2 antibody - N-terminal region; anti-CTPS2 antibody

PRODUCT SPECIFICATIONS

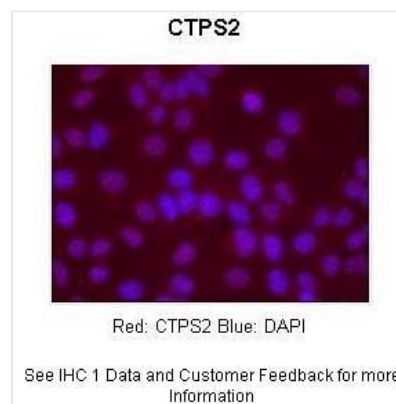
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: AK RENFCNIHVS LVPQLSATGE QKTKPTQNSV RALRGLGLSP DLIVCRSS
Sequence Length	586
Applicable Applications for anti-CTPS2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-CTPS2 Antibody Titration: 1.0 ug/ml
Positive Control: HeLa Whole Cell
CTPS2 is supported by BioGPS gene expression data to be expressed in HeLa



IHC (Immunohistochemistry)

Sample Type : Human Hep-2 cells
Primary Antibody Dilution : 1:500
Secondary Antibody : Goat anti-rabbit-Alexa Fluor 568
Secondary Antibody Dilution : 1:400
Color/Signal Descriptions : Red: CTPS2 Blue: DAPI
Gene Name : CTPS2
Submitted by : S. John Calise, Edward Chan Lab, University of Florida

ADDITIONAL INFORMATION

Related Product Information for anti-CTPS2 antibody	This is a rabbit polyclonal antibody against CTPS2. It was validated on Western Blot Target Description: 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	Polyclonal; Drugs and Drug Metabolism; Mitochondria

NCBI AND UNIPROT INFORMATION

NCBI GI #	28559085
NCBI GeneID	56474
NCBI Accession #	NP_787055
NCBI GenBank Nucleotide #	NM_175859
UniProt Accession #	Q9NRF8
Molecular Weight	64kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctps2-antibody-western-blot-immunohistochemistry-elisa/201135>