

Rabbit CTPS Polyclonal Antibody | anti-CTPS antibody

CTPS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327504	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

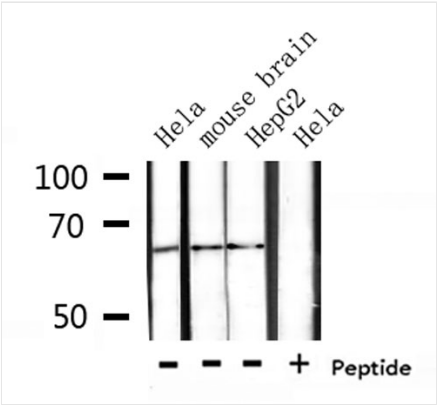
PRODUCT SYNONYMS

CTPS; Polyclonal Antibody; CTPS Antibody; CTP synthase 1; CTP synthase; CTP synthetase 1; CTP synthetase; Cytidine 5 prime triphosphate synthetase; Cytidine 5' triphosphate synthetase; IMD24; UTP ammonia ligase 1; anti-CTPS antibody

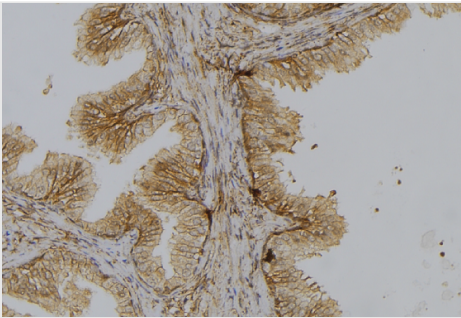
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CTPS antibody detects endogenous levels of total CTPS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	435
Applicable Applications for anti-CTPS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CTPS
Subcellular Location	Cytosol, Membrane
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

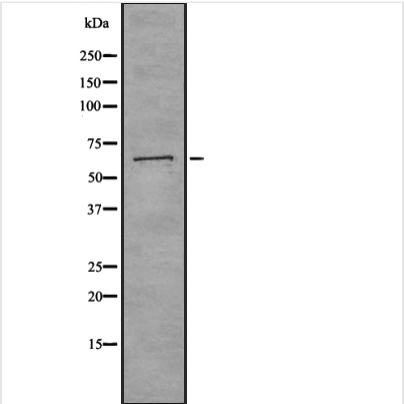
IMAGES



WB (Western Blot)
Western blot analysis of extracts from HeLa, mouse brain, HepG2, using CTPS Antibody.



IHC (Immunohistochemistry)
AAA327504 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of CTPS using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CTPS antibody	Function: This enzyme is involved in the de novo synthesis of CTP, a precursor of DNA, RNA and phospholipids. Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as a source of nitrogen. This enzyme and its product, CTP, play a crucial role in the proliferation of activated lymphocytes and therefore in immunity. Similarity: Belongs to the CTP synthase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	669033298
NCBI GeneID	1503
NCBI Accession #	NP_001288166.1
NCBI GenBank Nucleotide #	NM_001301237.1
UniProt Accession #	P17812; Q5VW67; Q96GK6; B4DR64; D3DPW1
Molecular Weight	Observed: 66 kDa Predicted: 67 kDa
NCBI Official Full Name	CTP synthase 1 isoform b
NCBI Official Synonym Full Names	CTP synthase 1
NCBI Official Symbol	CTPS1

NCBI Official Synonym Symbols	CTPS; GATD5; IMD24
NCBI Protein Information	CTP synthase 1
UniProt Protein Name	CTP synthase 1
UniProt Gene Name	CTPS1

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/ctps-antibody-immunohistochemistry-western-blot-elisa/327504>