

DNAxPAb

Hard-to-Find
Antibody

CTPS2 DNAxPab

Catalog # H00056474-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CTPS2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MKYILVTGGVISGIGKGIASSIGTILKSCGLRVTAIKIDPYINIDAGTFSPYEHGEVFLNDGGGEVDLDL GNYERFLDINLYKDNNITTGKIYQHVINKERRG DYLGKTVQVPHITDAVQEWVMNQAKVPVDGNK EEPQICVIELGGTIGDIEGMPFVEAFRQFQFKAKRENFCNIHVS LVPQLSATGEQKTKPTQNSVRAL RGLGLSPDLVCRSSTPIEMAVKEKISMFC HVNPEQVICIHDVSSTYRVPVLLEEQSVKYFKERLHL PIGDSASNLLFKWRNMADRYERLQKIC SIALVGKYTKLRDCYASVFKALEHSALAINHKLNLMYDSI DLEKITETEDPVKFHEAWQKLCKADGILVPGGFGIRGTLGKLQAISWARTKKIPFLGVCLGMQLAVI EFARNCLNLKDADSTEFRPNAPVPLVIDMPEHNPGNLGGTMRLGIRRTVFKTENSILRKLYGDVPFI EERHRHRFEVNP NLIKQFEQNDLSFVGQDVGDRMEI IELANHPYFVG VQFHPEFSSRPMKPSP YLGLLLAATGNL NAYLQQGCKLSSSDRYSDASDDSFSEPRIAELEIS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CTPS2

Entrez GeneID [56474](#)

GeneBank Accession# [NM_019857.3](#)

Protein Accession# [NP_062831.3](#)

Gene Name CTPS2

Gene Alias DKFZp686C17207, FLJ43358, MGC32997

Gene Description CTP synthase II

Omim ID [300380](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations CTP synthetase isoform|CTP synthetase type 2|OTTHUMP00000022985|OTTHUMP00000022986|UTP-ammonia ligase|cytidine 5'-triphosphate synthetase 2|cytidine triphosphate synthase II

Pathway

- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)