

Anti-Human/Mouse/Rat CTPS1 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA03181

3th Edition

Description:CTPS1 encodes an enzyme responsible for the catalytic conversion of UTP (uridine triphosphate) to CTP (cytidine triphosphate). This reaction is an important step in the biosynthesis of phospholipids and nucleic acids. Activity of this protein is important in the immune system, and loss of function of this gene has been associated with immunodeficiency. Alternative splicing results in multiple transcript variants.CTPS1 (CTP Synthase 1) is a Protein Coding gene. Diseases associated with CTPS1 include Immunodeficiency 24 and Sleeping Sickness. Among its related pathways are Purine metabolism (KEGG) and superpathway of pyrimidine deoxyribonucleotides de novo biosynthesis. GO annotations related to this gene include hydrolase activity and CTP synthase activity. An important paralog of this gene is CTPS2.

Antigen:Synthesized peptide derived from the N-terminal region of human CTPS.

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:Widely expressed.