

For Research Use Only

# CTP synthase Recombinant antibody, PBS Only

Catalog Number: 86455-1-PBS



## Basic Information

Catalog Number:	86455-1-PBS	GenBank Accession Number:	BC009408	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	1503	CloneNo.:	251260F2
Source:	Rabbit	UNIPROT ID:	P17812		
Isotype:	IgG	Full Name:	CTP synthase		
Immunogen Catalog Number:	AG8707	Calculated MW:	591 aa, 67 kDa		
		Observed MW:	67 kDa		

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

human, mouse

## Background Information

CTP synthase (CTPS) is a ubiquitous, cytosolic glutamine amidotransferase that catalyzes the ATP-dependent conversion of uridine-5'-triphosphate (UTP) to cytidine-5'-triphosphate (CTP) - the final, rate-limiting step in the de novo pyrimidine biosynthetic pathway.

## Storage

### Storage:

Store at -80°C.

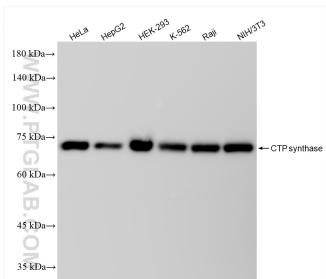
### Storage Buffer:

PBS only, pH7.3

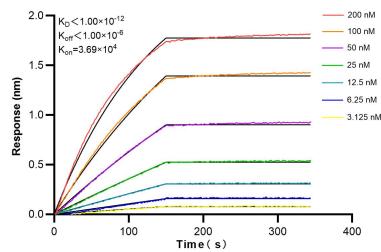
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86455-1-RR (CTPS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86455-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86455-1-RR against Human CTP synthase were performed. The affinity constant is below 1 pM.