

## Anti-CTPS1 Antibody (5Y260)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5Y260
Purification:	Affinity-chromatography

## Applications

Verified Activity:	IHC image of TMAH-00316 diluted at 1:100 and staining in paraffin-embedded human salivary gland tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.
Application:	ELISA, IHC
Recommended	IHC:1:50-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human CTPS1
Antigen Species:	Human
Gene ID:	1503
Uniprot ID:	P17812
Synonyms:	CTP synthase 1;CTP synthetase 1;EC 6.3.4.2;UTP--ammonia ligase 1;CTPS
Biology Area:	Metabolism, Signal transduction

## Research Background

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.

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