

Datasheet for ABIN5675133  
**anti-UMPS antibody (AA 351-450)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	UMPS
Binding Specificity:	AA 351-450
Reactivity:	Human, Cynomolgus, Rhesus Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UMPS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human UMPS
Isotype:	IgG
Cross-Reactivity:	Cynomolgus, Human, Rhesus Monkey
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	UMPS
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## Target Details

Alternative Name:	UMPS ( <a href="#">UMPS Products</a> )
Background:	<p>Synonyms: Uridine 5'-monophosphate synthase, UMPS, UMP synthase, Orotate phosphoribosyltransferase, OPRT, OPRTase, ODC, OMPdecase, OK/SW-cl.21</p> <p>Background: This gene encodes a uridine 5'-monophosphate synthase. The encoded protein is a bifunctional enzyme that catalyzes the final two steps of the de novo pyrimidine biosynthetic pathway. The first reaction is carried out by the N-terminal enzyme orotate phosphoribosyltransferase which converts orotic acid to orotidine-5'-monophosphate. The terminal reaction is carried out by the C-terminal enzyme OMP decarboxylase which converts orotidine-5'-monophosphate to uridine monophosphate. Defects in this gene are the cause of hereditary orotic aciduria. Alternate splicing results in multiple transcript variants.</p>
Gene ID:	7372
UniProt:	<a href="#">P11172</a>
Pathways:	<a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

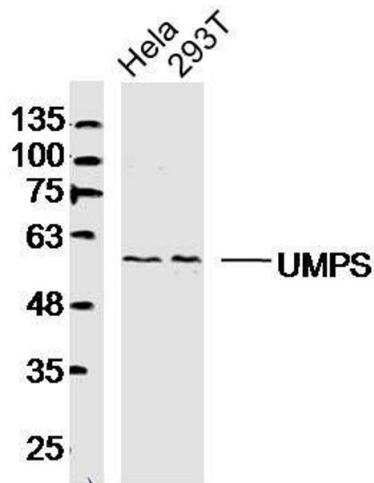
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

**Image 1.** Lane 1: HeLa lysates Lane 2: 293T lysates probed with UMPS Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.