

Datasheet for ABIN6980539

anti-UMPS antibody (AA 351-450) (AbBy Fluor® 647)[Go to Product page](#)

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 conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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
Alternative Name:	UMPS (UMPS Products)

Target Details

Background:	Synonyms: Uridine 5'-monophosphate synthase, UMPS, UMP synthase, Orotate phosphoribosyltransferase, OPRT, OPRTase, ODC, OMPdecase, OK/SW-cl.21 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.
Gene ID:	7372
UniProt:	P11172
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months