

Rabbit anti-Human, Mouse UMPS Polyclonal Antibody | anti-UMPS antibody

Rabbit anti-UMPS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212577	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

UMPS; Polyclonal Antibody; Rabbit anti-UMPS Antibody; Affinity Purified; orotidine 5'-phosphate decarboxylase; OMPdecase; UMP synthase; uridine 5'-monophosphate synthase; Orotidine 5'-phosphate decarboxylase (ODC); Orotate phosphoribosyltransferase (OPRT); orotate phosphoribosyltransferase; OPRT; OPRTase; Uridine 5'-monophosphate synthase; uridine monophosphate synthetase; anti-UMPS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-UMPS antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 430 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse UMPS by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-UMPS antibody AAA212577 (lot AAA212577-1) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human UMPS by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells. Antibodies: Affinity purified rabbit anti-UMPS antibody AAA212577 (lot AAA212577-1) used for IP at 6 ug per reaction. UMPS was also immunoprecipitated by rabbit anti-UMPS antibody For blotting immunoprecipitated UMPS, AAA212577 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-UMPS antibody

UMPS (uridine monophosphate synthase) is a uridine 5'-monophosphate synthase. UMPS 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 [taken from NCBI Entrez Gene (Gene ID: 7372)].

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507835
NCBI GeneID	7372
NCBI Accession #	NP_000364.1
NCBI GenBank Nucleotide #	NM_000373.3
UniProt Accession #	P11172; O00758; O00759; O00760; Q16862; Q9H3Q2; Q9UG49; B5LY68; B5LY72
Molecular Weight	22,922 Da
NCBI Official Full Name	uridine 5'-monophosphate synthase
NCBI Official Synonym Full Names	uridine monophosphate synthetase
NCBI Official Symbol	UMPS
NCBI Official Synonym Symbols	OPRT
NCBI Protein Information	uridine 5'-monophosphate synthase; OMPdecase; OPRTase; UMP synthase; orotate phosphoribosyltransferase; orotidine 5'-phosphate decarboxylase
UniProt Protein Name	Uridine 5'-monophosphate synthase
UniProt Gene Name	UMPS
UniProt Synonym Gene Names	UMP synthase; OPRT; OPRTase; ODC
UniProt Entry Name	UMPS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/umps-antibody-immunoprecipitation-western-blot-elisa/212577>