

Rabbit UMPS Polyclonal Antibody | anti-UMPS antibody

UMPS Rabbit Polyclonal Antibody

CATALOG # AAA313382	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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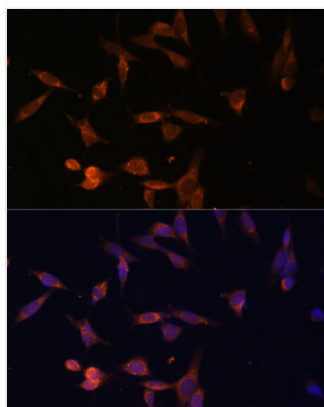
PRODUCT SYNONYMS

UMPS; Polyclonal Antibody; UMPS Rabbit Polyclonal Antibody; OPRT; anti-UMPS antibody

PRODUCT SPECIFICATIONS

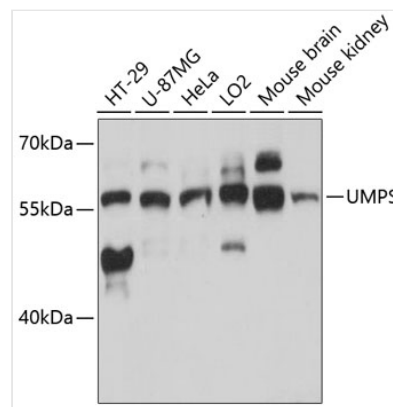
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-UMPS antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human UMPS (NP_000364.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using UMPS Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using UMPS at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-UMPS antibody	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.
Product Categories/Family for anti-UMPS antibody	Primary Antibody

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-immunofluorescence-western-blot-elisa/313382>