

Rabbit UMPS Polyclonal Antibody | anti-UMPS antibody

UMPS Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28172	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	480
Applicable Applications for anti-UMPS antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:100
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human UMPS
Calculated Molecular Weight	52kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using UMPS antibody.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human normal stomach using UMPS antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colon damage using UMPS antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse brain using UMPS antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse kidney using UMPS antibody at dilution of 1:200 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat brain using UMPS antibody at dilution of 1:200 (40x lens).

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	131708
NCBI GeneID	7372
UniProt Accession #	P11172; O00758; O00759; O00760; Q16862; Q9H3Q2; Q9UG49; B5LY68; B5LY72
Molecular Weight	480
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; OPRTase; OMPdecase; 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-western-blot-immunohistochemistry-immunofluorescence-elisa/28172>