

Product datasheet for **TA346537**

UMPS Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-UMPS antibody: synthetic peptide directed towards the C terminal of human UMPS. Synthetic peptide located within the following region: VGFISGSRVSMKPEFLHLTPGVQLEAGGDNLGQQYNPQEVIGKRGSDII
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52 kDa
Gene Name:	uridine monophosphate synthetase
Database Link:	NP_000364 Entrez Gene 7372 Human P11172



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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. [provided by RefSeq, Mar 2010]

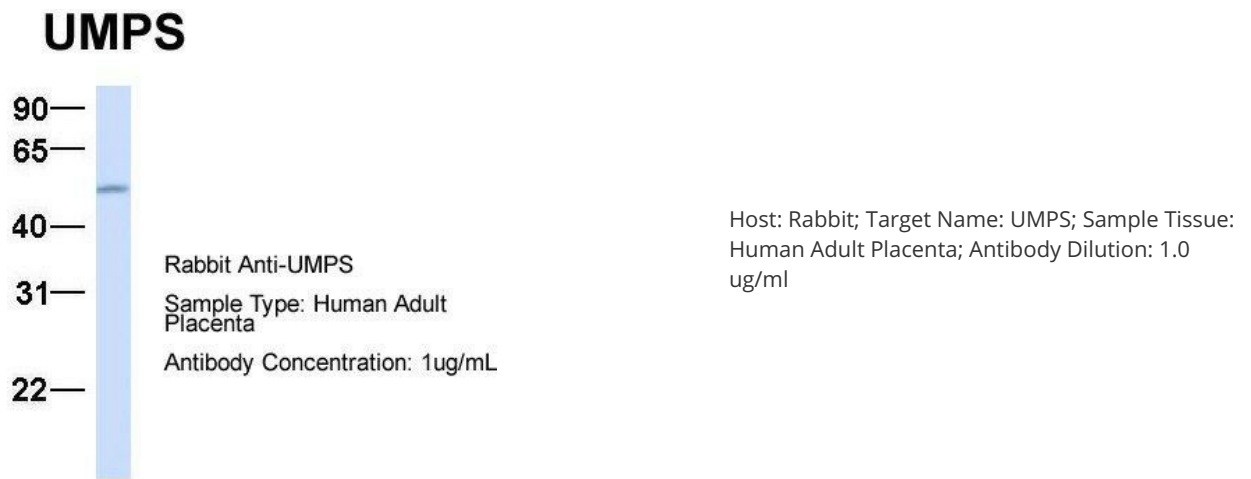
Synonyms: OPRT

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 93%; Horse: 93%; Bovine: 93%; Guinea pig: 93%; Yeast: 75%

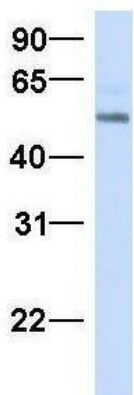
Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

Product images:



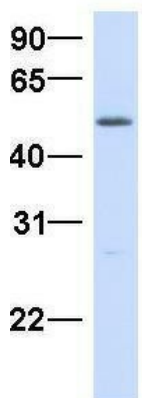
UMPS



Rabbit Anti-UMPS
 Sample Type: Human Fetal Heart
 Antibody Concentration: 1ug/mL

Host: Rabbit; Target Name: UMPS; Sample Tissue: Human Fetal Heart; Antibody Dilution: 1.0 ug/ml

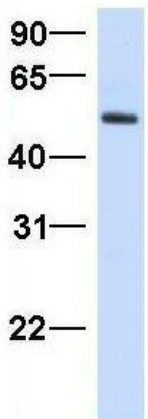
UMPS



Rabbit Anti-UMPS
 Sample Type: Human Fetal Liver
 Antibody Concentration: 1ug/mL

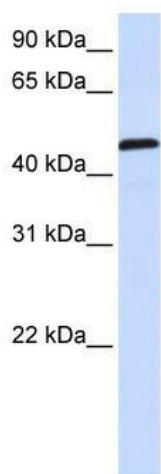
Host: Rabbit; Target Name: UMPS; Sample Tissue: Human Fetal Liver; Antibody Dilution: 1.0 ug/ml

UMPS

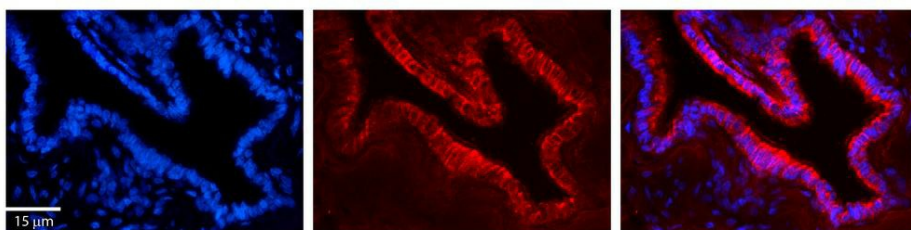


Rabbit Anti-UMPS
 Sample Type: Human Fetal Lung
 Antibody Concentration: 1ug/mL

Host: Rabbit; Target Name: UMPS; Sample Tissue: Human Fetal Lung; Antibody Dilution: 1.0 ug/ml



WB Suggested Anti-UMPS Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: 721_B cell lysate.UMPS is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Rabbit Anti-UMPS Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue; Observed Staining: Cytoplasmic; Primary Antibody Concentration: 1: 100; Other Working Concentrations: 1/600; Secondary Antibody: Donkey anti-Rabbit-Cy3; Secondary Antibody Concentration: 1: 200; Magnification: 20X; Exposure Time: 0.5-2.0 sec;