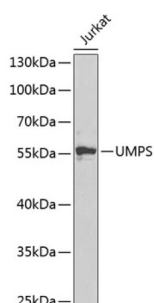


Uridine 5'-Monophosphate Synthase (UMPS) Antibody

Catalogue No.: abx004209



Western blot analysis of extracts of Jurkat cells using UMPS Antibody (1/1000 dilution).

UMPS Antibody is a Rabbit Polyclonal antibody against UMPS. 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.

Target:	Uridine 5'-Monophosphate Synthase (UMPS)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	WB
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human UMPS
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P11172 (UniProt , ExPASy)

Datasheet

Version: 4.0.0

Revision date: 12 Mar 2025



Gene Symbol: UMPS

GeneID: [7372](#)

NCBI Accession: NP_000364.1

KEGG: hsa:7372

String: [9606.ENSP00000232607](#)

Molecular Weight: Calculated MW: 22 kDa/33 kDa/42 kDa/52 kDa
Observed MW: 56 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only