

UMPS antibody

Catalog No: #38664



Package Size: #38664-1 50ul #38664-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
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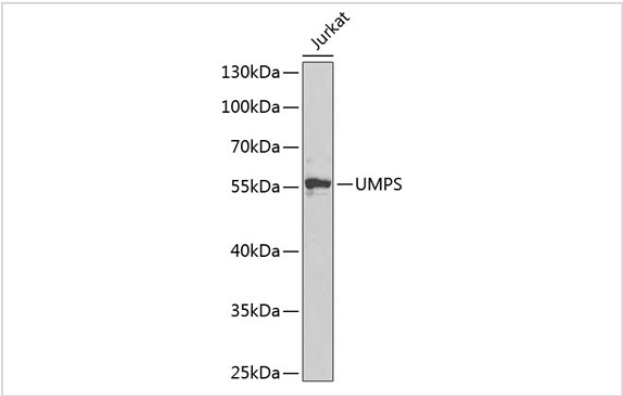
Description

Product Name	UMPS antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total UMPS protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human UMPS.
Target Name	UMPS
Other Names	OPRT;
Accession No.	Swiss-Prot#: P11172NCBI Gene ID: 7372
Uniprot	P11172
GeneID	7372;
SDS-PAGE MW	52kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of Jurkat cells, using UMPS at 1:1000 dilution.

## Background

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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.

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Note: This product is for in vitro research use only