UPP1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	UPP1, Monoclonal Antibody
Full Product Name	UPP1 (Uridine Phosphorylase 1, UP, UPASE, UPase 1, UPP, UrdPase 1, UDRPASE) (MaxLight 650)
Product Gene Name	anti-UPP1 antibody
Product Synonym Names	EC=2.4.2.3
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human UPP1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34kDa
OMIM	191730
3D Structure	ModBase 3D Structure for Q16831
Immunogen	Partial recombinant corresponding to aa1-92 from human UPP1 (NP_003355) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAATGANAEKAESHNDCPVRLLNPNIAKMKEDILYHFNLTTSRHNFPALFGDVKFVCVGGSPSRMKAFIRCVGAELGLDCPGRDYPNICAGT
Conjugate	MaxLight650
Product Categories/Family for anti-UPP1 antibody	Antibodies; Enzymes; Phosphorylase
Applications Tested/Suitable for anti-UPP1 antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-UPP1 antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.

Related Product Information for anti-UPP1 antibody	MBS6225366 is an antibody targeting UPP1. Also known as UPP1 (Uridine Phosphorylase 1, UP, UPASE, UPase 1, UPP, UrdPase 1, UDRPASE) (MaxLight 650). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-UPP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UPP1. It may not necessarily be applicable to this product.

NCBI GI #	4507839
NCBI GeneID	7378
NCBI Accession #	NP_003355
UniProt Primary Accession #	Q16831
UniProt Related Accession #	Q16831
GenBank Nucleotide #	NM_003364
NCBI Official Full Name	uridine phosphorylase 1 isoform a
NCBI Official Synonym Full Names	uridine phosphorylase 1
NCBI Official Symbol	UPP1
NCBI Official Synonym Symbols	UP; UPP; UPASE; UDRPASE
UniProt Protein Name	Uridine phosphorylase 1
Protein Family	Uridine phosphorylase
UniProt Gene Name	UPP1
UniProt Synonym Gene Names	UP; UPase 1; UrdPase 1
UniProt Entry Name	UPP1_HUMAN
NCBI Protein Information	uridine phosphorylase 1
NCBI Summary for UPP1	This gene encodes a uridine phosphorylase, an enzyme that catalyzes the reversible phosphorylation of uridine (or 2'- deoxyuridine) to uracil and ribose-1-phosphate (or deoxyribose-1-phosphate). The encoded enzyme functions in the degradation and salvage of pyrimidine ribonucleosides. [provided by RefSeq, Oct 2016]
UniProt Comments for UPP1	UPP1: Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1- phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis. Belongs to the PNP/UDP phosphorylase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transferase; EC 2.4.2.3; Xenobiotic Metabolism - drug metabolism - other enzymes; Nucleotide Metabolism - pyrimidine Chromosomal Location of Human Ortholog: 7p12.3 Cellular Component: cytosol Molecular Function: uridine phosphorylase activity Biological Process: cellular response to glucose starvation; pyrimidine nucleoside catabolic process; uridine metabolic process; pyrimidine base metabolic process; nucleobase, nucleoside and nucleotide metabolic process; nucleobase, nucleoside, nucleotide and nucleic acid metabolic process; nucleotide catabolic process; pyrimidine nucleoside salvage

Research Articles on UPP1	**1.** there are inter-ethnic differences for uridine phosphorylase 1 (UPP1) and zinc finger-SWIM containing 4 (ZSWIM4) in response to 1alpha,25(OH)2D3
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