Mouse UGP2 Monoclonal Antibody | anti-UGP2 antibody

UGP2 (UTP--glucose-1-phosphate Uridylyltransferase, UDP-glucose Pyrophosphorylase, UDPGP, UGPase, UGP1) (Biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24993	**Mouse**	**Human, Mouse, Rat**	**ELISA, Western Blot**

PRODUCT SYNONYMS

UGP2; Monoclonal Antibody; UGP2 (UTP--glucose-1-phosphate Uridylyltransferase; UDP-glucose Pyrophosphorylase; UDPGP; UGPase; UGP1) (Biotin); EC=2.7.7.9; pHC379; UDPG; UGPP1; UGPP2; UDPGP2; anti-UGP2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3H3
Specificity	Recognizes human UGP2. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Applicable Applications for anti-UGP2 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-90 from human UGP2 (NP_001001521) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSQDGASQFQEVIRQELELSVKKELEKILTTASSHEFEHTKKDLDGFRKLFHRFLQEKGPSVDWGKIQRPPEDSIQPYEKIKARGLPDNI
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES

WB (Western Blot)
Western blot analysis of UGP2 over-expressed 293 cell line, cotransfected with UGP2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with UGP2 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged UGP2 is ~0.1ng/ml as a capture antibody.

WB (Western Blot)
Western Blot analysis of UGP2 expression in transfected 293T cell line by UGP2 monoclonal antibody (M01). Lane 1: UGP2 transfected lysate (56.9kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
UGP2 monoclonal antibody Western Blot analysis of UGP2 expression in NIH/3T3.

WB (Western Blot)
UGP2 monoclonal antibody Western Blot analysis of UGP2 expression in Raw 264.7

WB (Western Blot)
UGP2 monoclonal antibody Western Blot analysis of UGP2 expression in PC-12

ADDITIONAL INFORMATION

Product Categories/Family for anti-UGP2 antibody	Antibodies; Enzymes; Phosphorylase

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255968
NCBI GeneID	7360
NCBI Accession #	NP_001001521
NCBI GenBank Nucleotide #	NM_001001521
UniProt Accession #	Q16851; Q07131; Q0P6K2; Q86Y81; Q9BU15
Molecular Weight	55,677 Da
NCBI Official Full Name	UTP--glucose-1-phosphate uridylyltransferase isoform b
NCBI Official Synonym Full Names	UDP-glucose pyrophosphorylase 2
NCBI Official Symbol	UGP2
NCBI Official Synonym Symbols	UDPG; UGP1; UDPGP; UGPP1; UGPP2; UDPGP2; pHC379
NCBI Protein Information	UTP--glucose-1-phosphate uridylyltransferase; UDP-glucose diphosphorylase; UDP-glucose pyrophosphorylase 1; UGPase 2; UTP--glucose-1-phosphate uridylyltransferase 2; UTP-glucose-1-phosphate uridyltransferase; Uridyl diphosphate glucose pyrophosphorylase-1
UniProt Protein Name	UTP--glucose-1-phosphate uridylyltransferase
UniProt Gene Name	**UGP2**
UniProt Synonym Gene Names	UGP1; UDPGP; UGPase
UniProt Entry Name	UGPA_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/monoclonal/ugp2-antibody-clone-3h3-western-blot-elisa/24993