Mouse UGP2 Monoclonal Antibody | anti-UGP2 antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25880	**Mouse**	**Human, Mouse, Rat**	**ELISA, Western Blot**

PRODUCT SYNONYMS

UGP2; Monoclonal Antibody; UGP2 (UTP--glucose-1-phosphate Uridylyltransferase; UDP-glucose Pyrophosphorylase; UDPGP; UGPase; UGP1) (PE); 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 R-Phycoerythrin (PE).
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	PE
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: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial 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/25880