

UGP2 monoclonal antibody

Catalog: MB9567

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

UGP2 (UDP-glucose pyrophosphorylase 2), also known as UDPG, UGPP2, UDPGP2 or pHC379, is an evolutionarily conserved protein belonging to the UDPGP type 1 family of proteins. Localizing to the cytoplasm, UGP2 forms homooligomers and is believed to function as a glucosyl donor in cellular metabolic pathways. More specifically, UGP2 catalyzes the transfer of a glucose moiety from glucose-1-phosphate to UTP, producing a diphosphate and UDP-glucose. UDP-glucose is an essential precursor for the synthesis of polysaccharides; in liver and muscle, UDP-glucose is a precursor of glycogen, in liver UDP-glucose is also a precursor of UDP-glucuronate, and in lactating mammary gland UDP-glucose is converted to UDP-galactose and then to lactose.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

57 kDa

Swiss-Prot:

Q16851(Human) Q91ZJ5(Mouse)

Purification&Purity:

ProG affinity purified.

Applications:

WB:1:500

IHC:1:50-1:100

FC:1:50-1:100

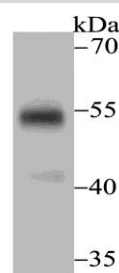
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

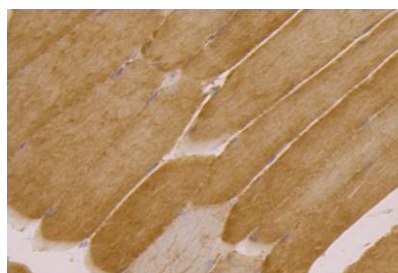
Specificity:

UGP2 monoclonal antibody detects endogenous levels of UGP2 protein.

DATA:



Western blot analysis of UGP2 on human liver tissue lysate using anti-UGP2 antibody at 1/200 dilution.



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-UGP2 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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