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Datasheet for ABIN2783324
anti-UGP2 antibody (N-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	UGP2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Rabbit, Horse, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UGP2
Sequence:	TKKDLDGFRK LFHRFLQEKG PSVDWGKIQR PPEDSIQPYE KIKARGLPDN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against UGP2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	UGP2
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Target Details

Alternative Name: [UGP2 \(UGP2 Products\)](#)

Background: UGP2 is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen, in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme. The enzyme encoded by this gene is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen, in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme. Two transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: UDPG, UDPGP2, UGPP2, pH C379

Protein Interaction Partner: GLRX3, ARIH2, UGP2, UBC, NUSAP1, PUF60, PACSIN2, FAF1, PAPOLA, HSPH1, NUDC, CARM1, FARSB, USP15, RANBP3, HIRIP3, CUL1, CSDE1, ZYX, TARS, TROVE2, SET, PTPN12, PPP2R5C, PPM1G, PLOD2, CC2D1B, VASN, PARVA, ILK, GART, BUB1B, LYN, CBS, MROH2B, DNPEP, ISG15, ABC

Protein Size: 497

Molecular Weight: 56 kDa

Gene ID: 7360

NCBI Accession: [NM_001001521](#), [NP_001001521](#)

Pathways: [Cellular Glucan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 497 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

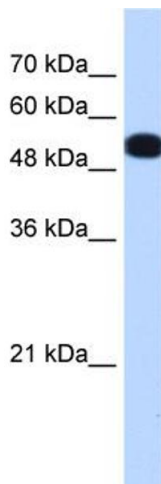
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Mehrle, Rosenfelder, Schupp, del Val, Arlt, Hahne, Bechtel, Simpson, Hofmann, Hide, Glatting, Huber, Pepperkok, Poustka, Wiemann: "The LIFEdb database in 2006." in: **Nucleic acids research**, Vol. 34, Issue Database issue, pp. D415-8, (2005) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-UGP2 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate UGP2 is supported by BioGPS gene expression data to be expressed in HepG2