

Datasheet for ABIN2855457

anti-UGP2 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	UGP2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human UGP2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to UGP2 (UDP-glucose pyrophosphorylase 2) UGP2 antibody [N1C1]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	UGP2
Alternative Name:	UDP-glucose pyrophosphorylase 2 (UGP2 Products)

Target Details

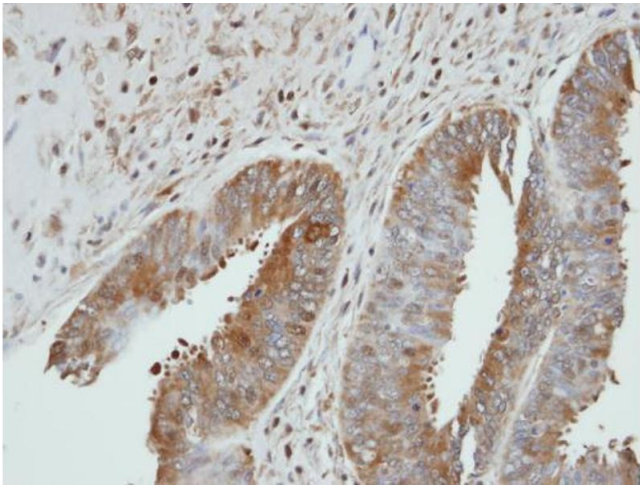
Background:	The enzyme encoded by this gene is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen, in lactating 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.
Molecular Weight:	57 kDa
Gene ID:	7360
UniProt:	Q16851
Pathways:	Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: H1299
Restrictions:	For Research Use only

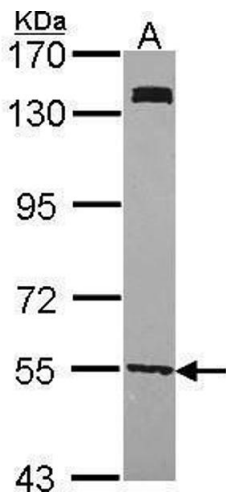
Handling

Format:	Liquid
Concentration:	0.56 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded UGP2 xenograft, using UGP2, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: H1299 7.5% SDS PAGE UGP2 antibody antibody diluted at 1:1000