



Datasheet for ABIN656433
anti-GPD2 antibody (C-Term)



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2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	GPD2
Binding Specificity:	AA 606-634, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This GPD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 606-634 amino acids from the C-terminal region of human GPD2.
Clone:	RB31134
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GPD2
Alternative Name:	GPD2 (GPD2 Products)

Target Details

Background: The protein encoded by this gene localizes to the inner mitochondrial membrane and catalyzes the conversion of glycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as a cofactor. Along with GDP1, the encoded protein constitutes the glycerol phosphate shuttle, which reoxidizes NADH formed during glycolysis. Two transcript variants encoding the same protein have been found for this gene.

Molecular Weight: 80853

Gene ID: 2820

NCBI Accession: [NP_000399](#), [NP_001076581](#)

UniProt: [P43304](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

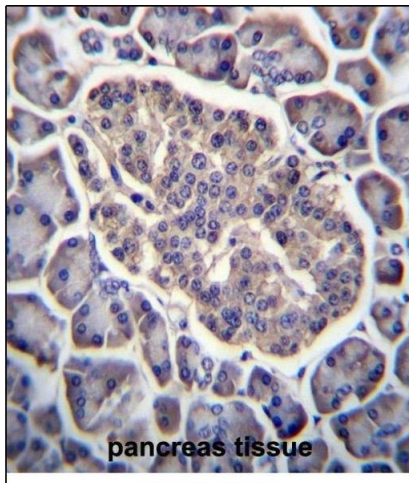
Storage: 4 °C,-20 °C

Storage Comment: GPD2 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months

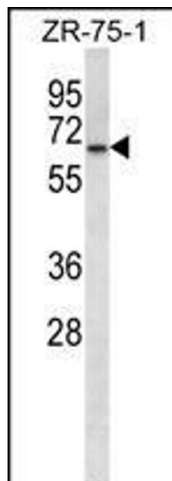
Publications

Product cited in: Davidson, Robinson, Rollinson, Pickering-Brown, Xiao, Robertson, Mann: "Immunohistochemical detection of C9orf72 protein in frontotemporal lobar degeneration and motor neurone disease: patterns of immunostaining and an evaluation of commercial antibodies." in: **Amyotrophic lateral sclerosis & frontotemporal degeneration**, Vol. 19, Issue 1-2, pp. 102-111, (2018) ([PubMed](#)).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. GPD2 Antibody (C-term) (ABIN656433 and ABIN2845723) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GPD2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. GPD2 Antibody (C-term) (ABIN656433 and ABIN2845723) western blot analysis in ZR-75-1 cell line lysates (35 µg/lane). This demonstrates the GPD2 antibody detected the GPD2 protein (arrow).