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Product datasheet for AP51905PU-N

GPD1L (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100 - 1/500. **Immunohistochemistry on paraffin sections:** 1/10 - 1/50. **Flow Cytometry:** 1/10 - 1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 47-77 amino acids from the N-terminal region of human GPD1L
Specificity:	This antibody reacts to GPD1L.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	38419 Da
Gene Name:	glycerol-3-phosphate dehydrogenase 1-like
Database Link:	Entrez Gene 333433 MouseEntrez Gene 23171 Human Q8N335

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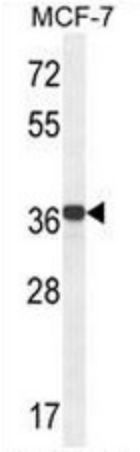
Background: The protein encoded by this gene catalyzes the conversion of sn-glycerol 3-phosphate to glycerone phosphate. The encoded protein is found in the cytoplasm, associated with the plasma membrane, where it binds the sodium channel, voltage-gated, type V, alpha subunit (SCN5A). Defects in this gene are a cause of Brugada syndrome type 2 (BRS2) as well as sudden infant death syndrome (SIDS).

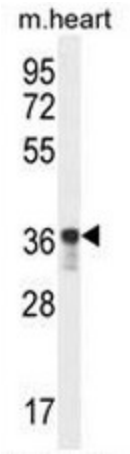
Synonyms: KIAA0089, GPD1-L

Protein Pathways: Glycerophospholipid metabolism

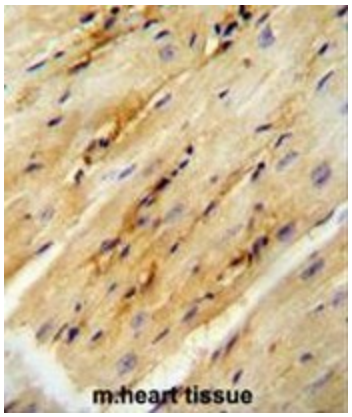
Product images:



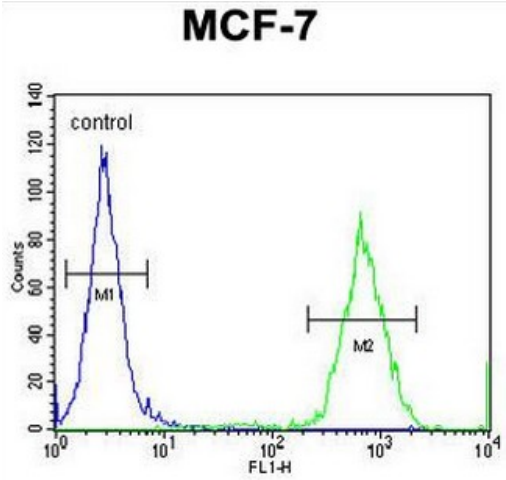
GPD1L Antibody (N-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the GPD1L antibody detected the GPD1L protein (arrow).



GPD1L Antibody (N-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the GPD1L antibody detected the GPD1L protein (arrow).



GPD1L antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GPD1L antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



GPD1L Antibody (N-term) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.