

# ARG57070 anti-GPD1L antibody [14E2]

Package: 50 μl Store at: -20°C

# Summary

Product Description	Mouse Monoclonal antibody [14E2] recognizes GPD1L
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	14E2
Isotype	lgG1, kappa
Target Name	GPD1L
Species	Human
Immunogen	Recombinant fragment around aa. 1-351 of Human GPD1L.
Conjugation	Un-conjugated
Alternate Names	Glycerol-3-phosphate dehydrogenase 1-like protein; GPD1-L; EC 1.1.1.8

# **Application Instructions**

Application table	Application	Dilution
	WB	Assay-dependent
Application Note	* The dilutions indicate recomme should be determined by the scie	ended starting dilutions and the optimal dilutions or concentrations entist.

## Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## **Bioinformation**

Database links	GenelD: 23171 Human
	Swiss-port # Q8N335 Human
Gene Symbol	GPD1L
Gene Full Name	glycerol-3-phosphate dehydrogenase 1-like
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). [provided by RefSeq, Jul 2010]
Function	Plays a role in regulating cardiac sodium current; decreased enzymatic activity with resulting increased levels of glycerol 3-phosphate activating the DPD1L-dependent SCN5A phosphorylation pathway, may ultimately lead to decreased sodium current; cardiac sodium current may also be reduced due to alterations of NAD(H) balance induced by DPD1L. [UniProt]
Calculated Mw	38 kDa

### Images



### ARG57070 anti-GPD1L antibody [14E2] WB image

Western blot: 40  $\mu$ g of 1) MCF7 cell lysate, 2) 293T cell lysate, 3) Jurkat cell lysate, 4) SW480 cell lysate, 5) PC3 cell lysate stained with ARG57070 anti-GPD1L antibody [14E2] at 1:500.



### ARG57070 anti-GPD1L antibody [14E2] WB image

Western blot: 40  $\mu g$  of 1) 293T cell lysate, 2) GPD1L Transfected 293T cell lysate stained with ARG57070 anti-GPD1L antibody [14E2] at 1:1000.