

ARG40942 anti-Mannose Phosphate Isomerase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Mannose Phosphate Isomerase
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Mannose Phosphate Isomerase
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-423 of Human Mannose Phosphate Isomerase (NP_002426.1).
Conjugation	Un-conjugated
Alternate Names	Phosphohexomutase; EC 5.3.1.8; PMI1; CDG1B; Phosphomannose isomerase; Mannose-6-phosphate isomerase; PMI

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	42 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

Gene Symbol	MPI
Gene Full Name	mannose phosphate isomerase
Background	Phosphomannose isomerase catalyzes the interconversion of fructose-6-phosphate and mannose-6-phosphate and plays a critical role in maintaining the supply of D-mannose derivatives, which are required for most glycosylation reactions. Mutations in the MPI gene were found in patients with carbohydrate-deficient glycoprotein syndrome, type Ib. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Function	Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions. [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG40942 anti-Mannose Phosphate Isomerase antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG40942 anti-Mannose Phosphate Isomerase antibody at 1:1000 dilution.