

Product datasheet

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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; PM

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]

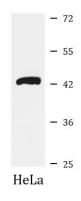
Function Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number

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.