

Anti-Glucose 6 phosphate isomerase Rabbit Monoclonal Antibody

Catalog # ABO15281

Specification

Anti-Glucose 6 phosphate isomerase Rabbit Monoclonal Antibody - Product Information

Application WB, IHC, IF, ICC, FC

Primary Accession

Host
Isotype
Reactivity
Clonality
Format

P06744
Rabbit
Rabbit
Human
Monoclonal
Liquid

Description

Anti-Glucose 6 phosphate isomerase Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Anti-Glucose 6 phosphate isomerase Rabbit Monoclonal Antibody - Additional Information

Gene ID 2821

Other Names

Glucose-6-phosphate isomerase, GPI, 5.3.1.9, Autocrine motility factor, AMF, Neuroleukin, NLK, Phosphoglucose isomerase, PGI, Phosphohexose isomerase, PHI, Sperm antigen 36, SA-36, GPI {ECO:0000303|PubMed:2387591, ECO:0000312|HGNC:HGNC:4458}

Calculated MW 63 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
FC 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Glucose 6 phosphate isomerase

Purification

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

Anti-Glucose 6 phosphate isomerase Rabbit Monoclonal Antibody - Protein Information



Name GPI {ECO:0000303|PubMed:2387591, ECO:0000312|HGNC:HGNC:4458}

Function

In the cytoplasm, catalyzes the conversion of glucose-6- phosphate to fructose-6-phosphate, the second step in glycolysis, and the reverse reaction during gluconeogenesis (PubMed:28803808). Besides it's role as a glycolytic enzyme, also acts as a secreted cytokine: acts as an angiogenic factor (AMF) that stimulates endothelial cell motility (PubMed:11437381). Acts as a neurotrophic factor, neuroleukin, for spinal and sensory neurons (PubMed:11004567, PubMed:3352745). It is secreted by lectin-stimulated T-cells and induces immunoglobulin secretion (PubMed:11004567, PubMed:3352745).

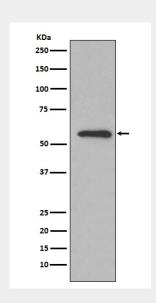
Cellular Location Cytoplasm. Secreted

Anti-Glucose 6 phosphate isomerase Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Glucose 6 phosphate isomerase Rabbit Monoclonal Antibody - Images



Western blot analysis of Glucose 6 phosphate isomerase expression in HeLa cell lysate.