

ARG63731 anti-Triosephosphate isomerase antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Triosephosphate isomerase
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise both reported isoforms.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Triosephosphate isomerase
Species	Human
Immunogen	C-LKPEFVDIINAKQ
Conjugation	Un-conjugated
Alternate Names	EC 5.3.1.1; HEL-S-49; TPID; TPI; TIM; Triosephosphate isomerase; Triose-phosphate isomerase

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 5 µg/ml
	WB	0.01 - 0.03 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Tris/EDTA buffer (pH 9.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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 or below. 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

[GeneID: 21991 Mouse](#)

[GeneID: 7167 Human](#)

[Swiss-port # P17751 Mouse](#)

[Swiss-port # P60174 Human](#)

Background

This gene encodes an enzyme, consisting of two identical proteins, which catalyzes the isomerization of glyceraldehydes 3-phosphate (G3P) and dihydroxy-acetone phosphate (DHAP) in glycolysis and gluconeogenesis. Mutations in this gene are associated with triosephosphate isomerase deficiency. Pseudogenes have been identified on chromosomes 1, 4, 6 and 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Research Area

Cancer antibody; Metabolism antibody; Signaling Transduction antibody

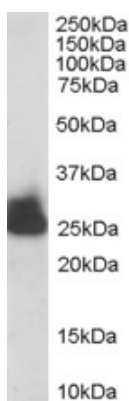
Calculated Mw

31 kDa

PTM

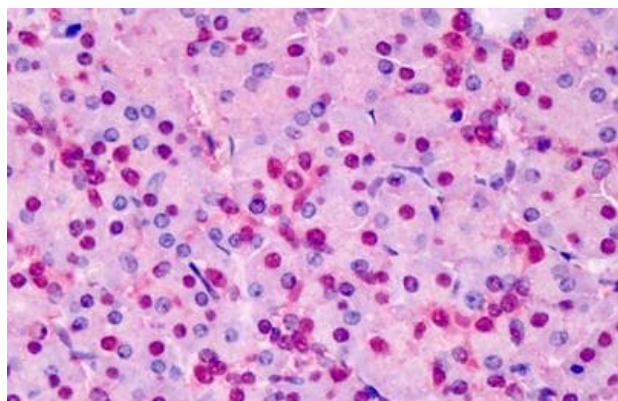
The initiator methionine for isoform 2 is removed.

Images



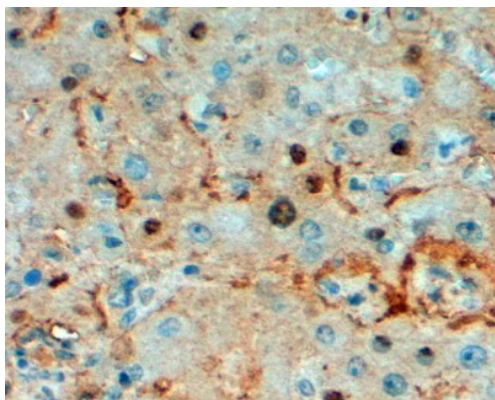
ARG63731 anti-Triosephosphate isomerase antibody WB image

Western Blot: human liver lysate (RIPA buffer, 30µg total protein per lane) stained with ARG63731 anti-Triosephosphate isomerase antibody at 0.003 µg/ml dilution.



ARG63731 anti-Triosephosphate isomerase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human pancreas tissue. Antigen Retrieval: Steam tissue section in Tris/EDTA buffer (pH 9.0). The tissue section was stained with ARG63731 anti-Triosephosphate isomerase antibody at 5 µg/ml dilution followed by AP-staining.



ARG63731 anti-Triosephosphate isomerase antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Liver (Steamed antigen retrieval with Tris/EDTA buffer pH 9) stained with ARG63731 anti-Triosephosphate isomerase antibody at 2 µg/ml dilution followed by HRP-staining.