# ARG55838
# anti-Triosephosphate isomerase antibody

Package: 100 µl
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes Triosephosphate isomerase |
| Tested Reactivity | Hu, Ms, Rat |
| Predict Reactivity | Bov, Mk, Rb |
| Tested Application | FACS, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Triosephosphate isomerase |
| Species | Human |
| Immunogen | KLH-conjugated synthetic peptide corresponding to aa. 258-286 (C-terminus) of Human Triosephosphate isomerase. |
| 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 |
|---|---|
| FACS | 1:10 - 1:50 |
| IHC-P | 1:50 - 1:100 |
| WB | 1:1000 |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HepG2

## Properties

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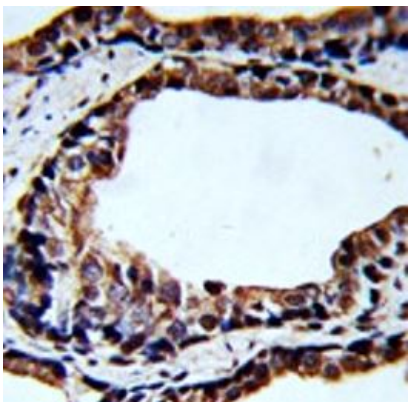
|---|---|
| Form | Liquid |
| Purification | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Buffer | PBS and 0.09% (W/V) Sodium azide |
| Preservative | 0.09% (W/V) Sodium azide |
| Storage instruction | For continuous use, store undiluted 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

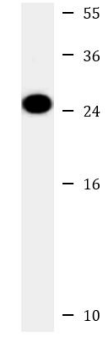
| | |
|---|---|
| Gene Symbol | TPI1 |
| Gene Full Name | triosephosphate isomerase 1 |
| Background | This gene encodes an enzyme, consisting of two identical proteins, which catalyzes the isomerization of glyceraldehydes 3-phosphate (G3P) and dihydroxy-acetone phosphate (DHAP) in glycolysis and gluconeogenesis. 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] |
| Calculated Mw | 31 kDa |
| PTM | The initiator methionine for isoform 2 is removed. |

## Images



ARG55838 anti-Triosephosphate isomerase antibody IHC-P image

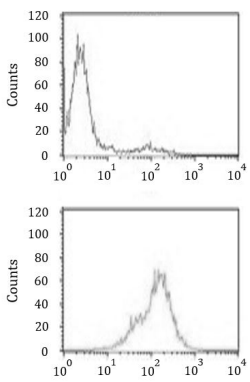
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human prostate carcinoma stained with ARG55838 anti-Triosephosphate isomerase antibody.




HepG2

ARG55838 anti-Triosephosphate isomerase antibody WB image

Western blot: 35 µg of HepG2 cell lysate stained with ARG55838 anti-Triosephosphate isomerase antibody at 1:1000 dilution.




ARG55838 anti-Triosephosphate isomerase antibody FACS image

Flow Cytometry: CEM cells stained with ARG55838 anti-Triosephosphate isomerase antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.