

TPI1 Rabbit Polyclonal Antibody

Catalog No: #54087

Package Size: #54087-1 50ul #54087-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

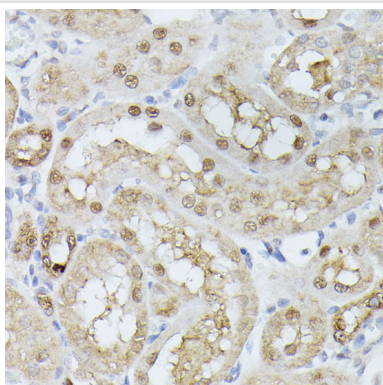
Description

Product Name	TPI1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human TPI1 (NP_000356.1).
Conjugates	Unconjugated
Other Names	TPI1;HEL-S-49;TIM;TPI;TPID
Accession No.	Swiss Prot:P60174GenelD:7167
Calculated MW	17kDa/26kDa/30kDa
SDS-PAGE MW	30kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

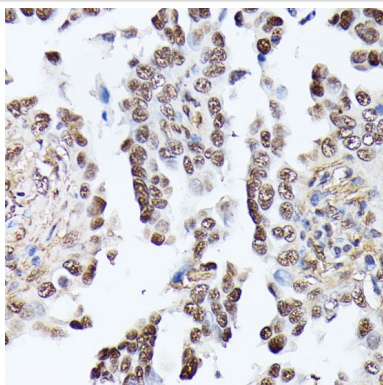
Application Details

WB□1:500 - 1:2000IHC□1:100 - 1:200IF□1:50 - 1:200

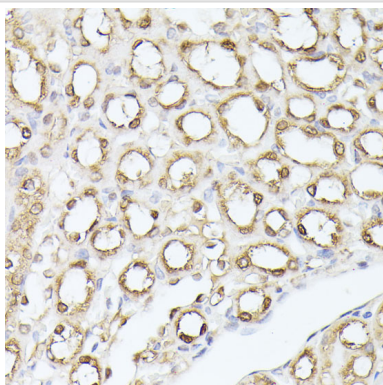
Images



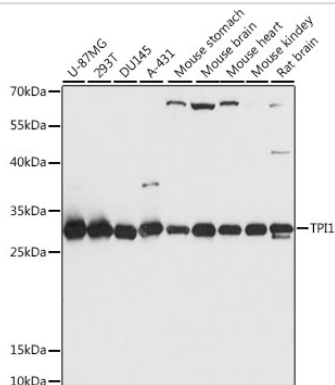
Immunohistochemistry of paraffin-embedded rat kidney using TPI1 at dilution of 1:100 (40x lens).



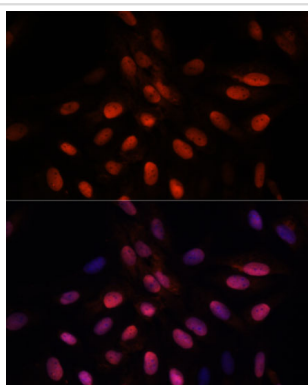
Immunohistochemistry of paraffin-embedded human lung cancer using TPI1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using TPI1 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using TPI1 at 1:1000 dilution.



Immunofluorescence analysis of U-2 OS cells using TPI1 at dilution of 1:100. Blue: DAPI for nuclear staining.

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.

Published Papers

Ying Yi;Min-Yu Wu;Kai-Tian Chen;An-Hai Chen;Lin-Qiu Li;Qin Xiong;Xian-Ren Wang;Wen-Bin Lei;Guan-Xia Xiong;Shu-Bin Fang et al.,
LDHA-mediated glycolysis in stria vascularis endothelial cells regulates macrophages function through CX3CL1-CX3CR1 pathway in noise-induced
oxidative stress., , (2025)
[PMID:39900910](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.