

TPI1 Rabbit Polyclonal Antibody

Catalog No: #54087

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

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

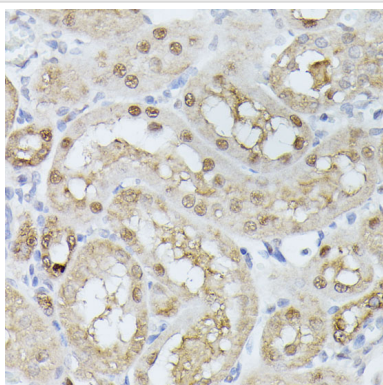
Description

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.

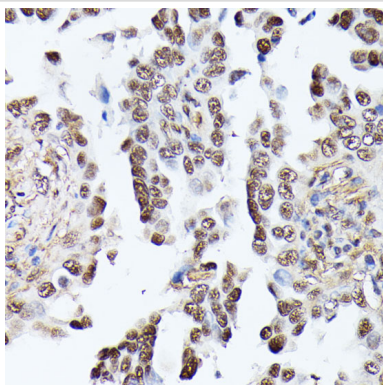
Application Details

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

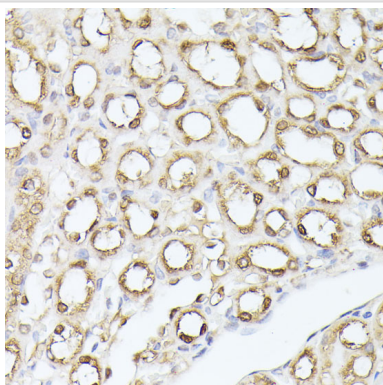
Images



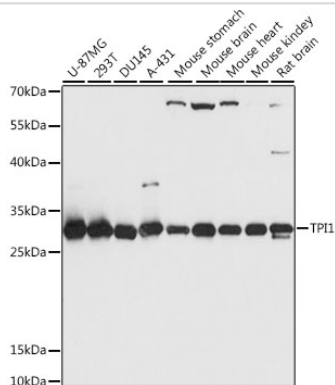
Immunohistochemistry of paraffin-embedded rat kidney using TPI1 at dilution of 1:100 (40x lens).



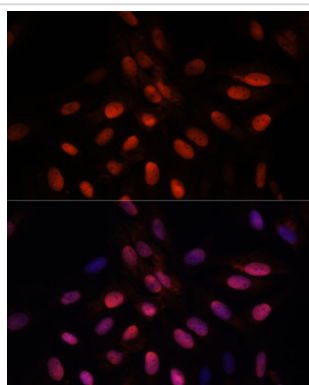
Immunohistochemistry of paraffin-embedded human lung cancer using TPI1 at dilution of 1:100 (40x lens).



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.