



# IHCeasy TPI1 Ready-To-Use IHC Kit

Catalog Number: KHC0511

**General Information** 

Sample type: FFPE tissue Cited sample type: Reactivity: Human, Mouse, Rat Cited Reactivity: Assay type: Immunohistochemistry Primary antibody type: Mouse Monoclonal

Secondary antibody type: Polymer-HRP-Goat anti-Mouse

#### Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

### Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

#### Background

TPI1(Triosephosphate isomerase) is also named as TIM, TPI and belongs to the triosephosphate isomerase family. It is a key enzyme in cell metabolism that controls the glycolytic flow and energy production through the interconversion of dihydroxyacetone phosphate (DHAP) and D-glyceraldehyde 3-phosphate (G3P). Defects in TPI1 are the cause of triosephosphate isomerase deficiency (TPI deficiency).

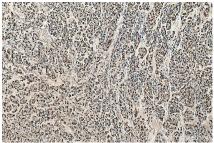
## Synonyms

TIM, TPI, TPI1, Triose phosphate isomerase, Triosephosphate isomerase, triosephosphate isomerase

#### Selected Validation Data



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using KHC0511 (TPI1 IHC Kit).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using KHC0511 (TPI1 IHC Kit).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using KHC0511 (TPI1 IHC Kit).



Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using KHC0511 (TPI1 IHC Kit).



Immunohistochemical analysis of paraffinembedded mouse skeletal muscle tissue slide using KHC0511 (TPI1 IHC Kit).



Immunohistochemical analysis of paraffinembedded rat liver tissue slide using KHC0511 (TPI1 IHC Kit).