

IHCeasy[®] TKTL1 Ready-To-Use IHC Kit

Catalog Number: **KHC3224**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Recombinant

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

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.

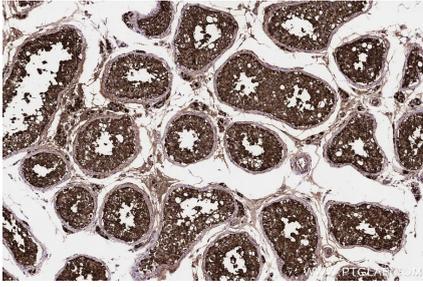
Background

Transketolase (TKT) is an enzyme that is ubiquitously expressed in all living organisms and has been identified as an important regulator of cancer. The TKT family includes the TKT gene and two TKT-like (TKTL) genes; TKTL1 and TKTL2. The basic components ribose-5-phosphate and acetyl-CoA, which are formed by TKTL1, provide essential building blocks for the formation of new cells. TKTL1 also allows survival in the absence of oxygen (hypoxia). TKTL1 also has been shown to be involved in regulating neuronal development in the cerebral cortex.

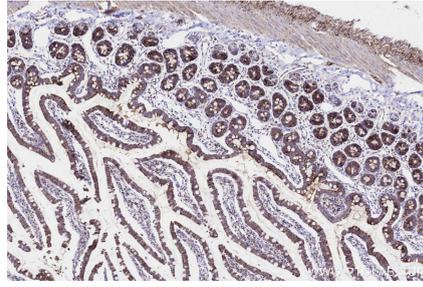
Synonyms

EC:2.2.1.1, TK 2, TK2, TKR, TKT 2

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using KHC3224 (TKTL1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC3224 (TKTL1 IHC Kit).