

IHCeasy[®] TXNRD3 Ready-To-Use IHC Kit

Catalog Number: **KHC3283**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Polyclonal
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.

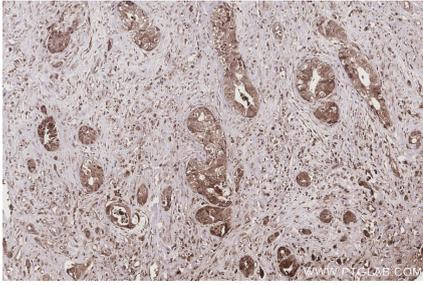
Background

TXNRD3, also named as TGR and TRXR3, belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. TXNRD3 displays thioredoxin reductase, glutaredoxin and glutathione reductase activities. TXNRD3 catalyzes the reaction: Thioredoxin + NADP⁺ = thioredoxin disulfide + NADPH. TXNRD3 promotes disulfide bond formation between GPX4 and various sperm proteins and may play a role in sperm maturation by promoting formation of sperm structural components.

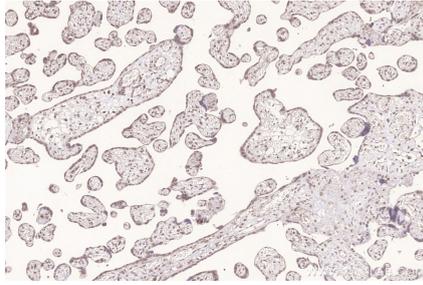
Synonyms

TGR, thioredoxin reductase 3, Thioredoxin reductase TR2, TR2, TRXR3

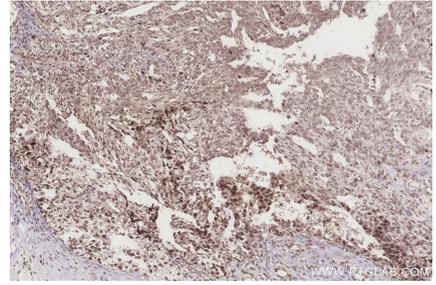
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC3283 (TXNRD3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3283 (TXNRD3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using KHC3283 (TXNRD3 IHC Kit).