

IHC*easy* TXNRD1 Ready-To-Use IHC Kit

Catalog Number: **KHC1766**

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.

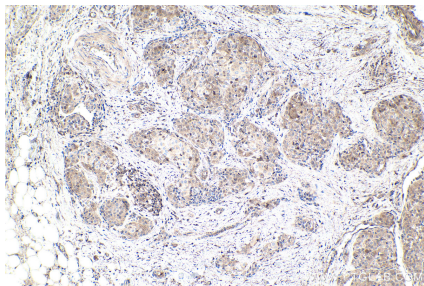
Background

Thioredoxin reductase-1 (TXNRD1) is uniquely capable of utilizing electrons from NADPH to recover the reduced state of TRX1. Interestingly, TXNRD1 is upregulated in many human malignancies and promotes cancer progression, and attenuation of TXNRD1 levels effectively suppresses the growth of tumor cells. TXNRD1 is also upregulated in many human malignancies and functions as a prognostic factor for many tumors, such as oral squamous cell carcinomas, lung cancer, breast cancer, and astrocytomas. IHC analysis suggested TXNRD1 was mainly located in the cytoplasm.

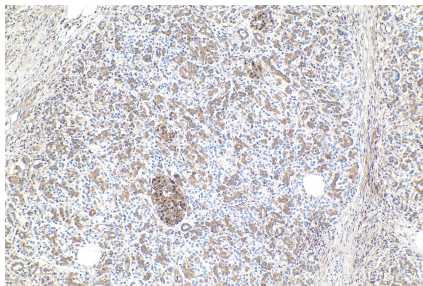
Synonyms

GRIM 12, GRIM12, KDRF, thioredoxin reductase 1, Thioredoxin reductase TR1, TR, TR1, TRXR1, TXNR, TXNRD1

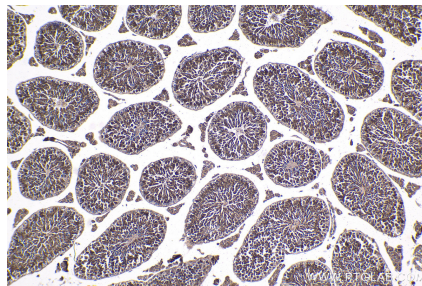
Selected Validation Data



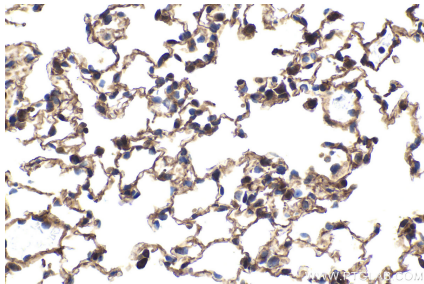
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC1766 (TXNRD1 IHC Kit).



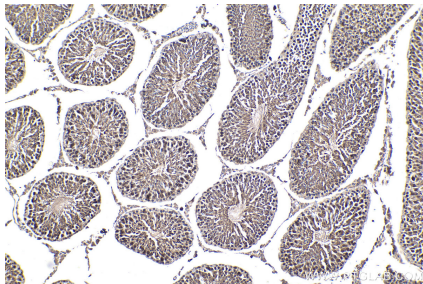
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC1766 (TXNRD1 IHC Kit).



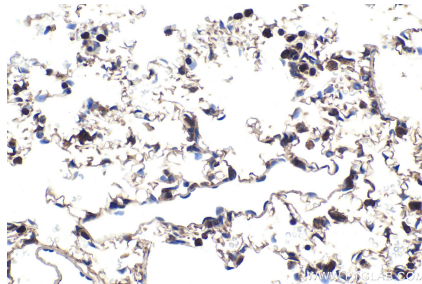
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1766 (TXNRD1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC1766 (TXNRD1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC1766 (TXNRD1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC1766 (TXNRD1 IHC Kit).