

## ARG42756 anti-TXNDC4 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TXNDC4
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TXNDC4
Species	Human
Immunogen	Fusion protein of Human TXNDC4.
Conjugation	Un-conjugated
Alternate Names	Thioredoxin domain-containing protein 4; ERp44; Endoplasmic reticulum resident protein 44; PDIA10; TXNDC4; ER protein 44

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:25 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	WB: 231, HeLa, HepG2, A431, K562 and Raji IHC-P: Human thyroid cancer and Human prostate cancer	
Observed Size	~ 47 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Concentration	0.4 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

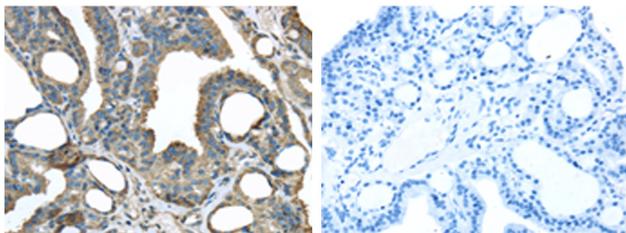
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

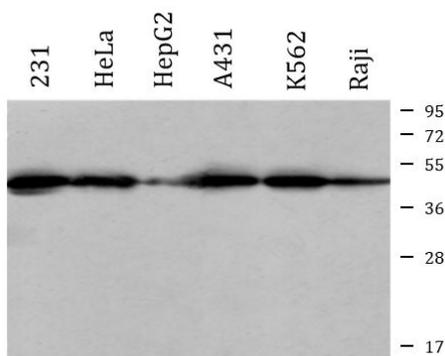
Gene Symbol	ERP44
Gene Full Name	endoplasmic reticulum protein 44
Background	This gene encodes a member of the protein disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins. It has an inferred N-terminal signal peptide, a catalytically active thioredoxin (TRX) domain, two TRX-like domains and a C-terminal ER-retention sequence. This protein functions as a pH-regulated chaperone of the secretory pathway and likely plays a role in protein quality control at the endoplasmic reticulum - Golgi interface. [provided by RefSeq, Dec 2016]
Function	Mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif. Inhibits the calcium channel activity of ITPR1. May have a role in the control of oxidative protein folding in the endoplasmic reticulum. Required to retain ERO1A and ERO1B in the endoplasmic reticulum. [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Endoplasmic reticulum lumen. [UniProt]

## Images



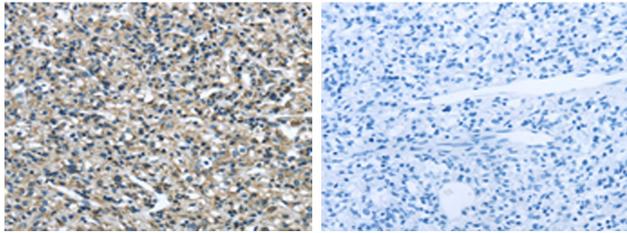
ARG42756 anti-TXNDC4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer tissue stained with ARG42756 anti-TXNDC4 antibody (left) at 1:30 dilution, or the same antibody pre-incubated with fusion protein (right). (Original magnification: X200).



ARG42756 anti-TXNDC4 antibody WB image

Western blot: 40 µg of 231, HeLa, HepG2, A431, K562 and Raji cell lysates stained with ARG42756 anti-TXNDC4 antibody at 1:400 dilution.



#### ARG42756 anti-TXNDC4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate cancer tissue stained with ARG42756 anti-TXNDC4 antibody (left) at 1:30 dilution, or the same antibody pre-incubated with fusion protein (right). (Original magnification: X200).