

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.

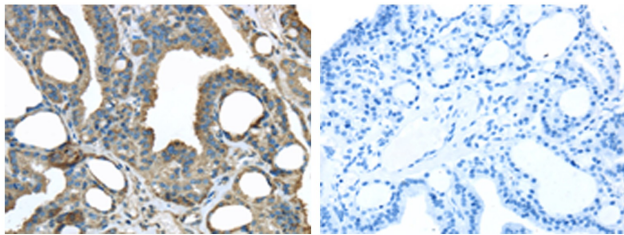
Note

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

Bioinformation

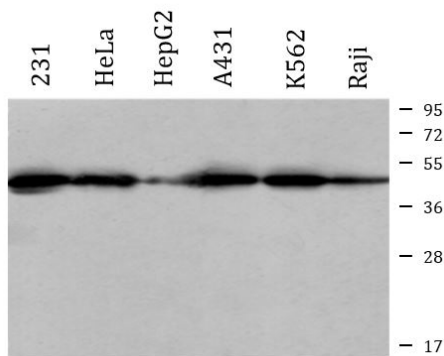
Gene Symbol	ERP44
Gene Full Name	endoplasmic reticulum protein 44
Background	This gene encodes a member of the protein disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins. It has an inferred N-terminal signal peptide, a catalytically active thioredoxin (TRX) domain, two TRX-like domains 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



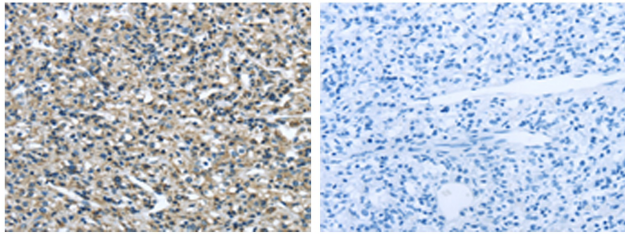
ARG42756 anti-TXNDC4 antibody IHC-P image

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).