

Datasheet for ABIN632154  
**anti-ERP44 antibody**



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1 Image

## Overview

Quantity:	100 µL
Target:	ERP44
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERP44 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	TXNDC4 antibody was raised using a synthetic peptide corresponding to a region with amino acids LHREFHHGPDPTDTAPGEQAQDVASSPPESSFQKLAPSEYRYTLRLDRDE
Purification:	Affinity purified

## Target Details

Target:	ERP44
Alternative Name:	TXNDC4 ( <a href="#">ERP44 Products</a> )
Background:	TXNDC4 mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif. TXNDC4 inhibits the calcium channel activity of ITPR1. TXNDC4 may have a role in the control of oxidative protein folding in the endoplasmic reticulum. TXNDC4 is required to retain ERO1L and ERO1LB in the endoplasmic reticulum.

## Target Details

Molecular Weight: 45 kDa (MW of target protein)

Pathways: [Cell RedoxHomeostasis](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: WB: 1 µg/mL

Optimal conditions should be determined by the investigator.

Comment: TXNDC4 Blocking Peptide, catalog no. 33R-5025, is also available for use as a blocking control in assays to test for specificity of this TXNDC4 antibody

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of TXNDC4 antibody in PBS

Concentration: Lot specific

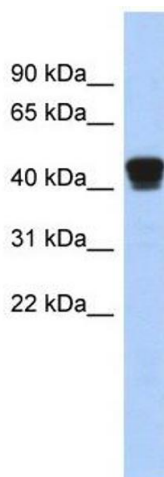
Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

## Images



### Western Blotting

**Image 1.** TXNDC4 antibody used at 1 ug/ml to detect target protein.