

Datasheet for ABIN7601747
anti-FOXRED2 antibody (AA 44-623)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FOXRED2
Binding Specificity:	AA 44-623
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXRED2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Anti-FOXRED2 Antibody Picoband®
Immunogen:	E.coli-derived human FOXRED2 recombinant protein (Position: Q44-Q623).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-FOXRED2 Antibody Picoband® (ABIN7601747). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	FOXRED2
Alternative Name:	FOXRED2 (FOXRED2 Products)
Background:	<p>Synonyms: Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/l, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, H3FJ</p> <p>Tissue Specificity: Expressed in fetal brain, fetal lung, fetal liver, heart, brain, placenta, lung, liver, muscle, kidney and pancreas.</p> <p>Background: FOXRED2, also known as ERFAD, is an endoplasmic reticulum (ER) luminal flavoprotein which may function in ER associated degradation (ERAD). It has been proposed to bind non-native proteins in the endoplasmic reticulum and target them to the ubiquitination machinery for subsequent degradation. Upon knockdown of FOXRED2, the degradation of the ERAD model substrate ribophorin 332 is delayed, and the overall level of polyubiquitinated cellular proteins is decreased. Defects in the related protein FOXRED1 are a cause of mitochondrial complex I deficiency (MT-C1D), suggesting the FOXRED2 may also play a role in MT-C1D.</p>
Molecular Weight:	80 kDa
Gene ID:	80020
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartz, P. A. Personal Communication. Baltimore, Md. 2/25/2011. 2. Riemer, J., Appenzeller-Herzog, C., Johansson, L., Bodenmiller, B., Hartmann-Petersen, R., Ellgaard, L. A luminal flavoprotein in endoplasmic reticulum-associated degradation. Proc. Nat. Acad. Sci. 106: 14831-14836, 2009.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.