

Datasheet for ABIN6991660
anti-FOXRED2 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	FOXRED2
Binding Specificity:	AA 70-120, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXRED2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	FOXRED2 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human FOXRED2. The immunogen is located within amino acids 70 - 120 of FOXRED2.
Isotype:	IgG
Purification:	FOXRED2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	FOXRED2
Alternative Name:	FOXRED2 (FOXRED2 Products)
Background:	FOXRED2 Antibody: 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

Target Details

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.

Gene ID: 80020

UniProt: [Q8IWF2](#)

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

Application Details

Application Notes: FOXRED2 antibody can be used for detection of FOXRED2 by Western blot at 1 µg/mL. Antibody can also be used for immunofluorescence starting at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: FOXRED2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: FOXRED2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.