

Datasheet for ABIN7174220
anti-UBIAD1 antibody (AA 1-82)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	UBIAD1
Binding Specificity:	AA 1-82
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBIAD1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human UbiA prenyltransferase domain-containing protein 1 protein (1-82AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	UBIAD1
Alternative Name:	UBIAD1 (UBIAD1 Products)
Background:	Background: Prenyltransferase that mediates the formation of menaquinone-4 (MK-4) and coenzyme Q10. MK-4 is a vitamin K2 isoform present at high concentrations in the brain, kidney

Target Details

and pancreas, and is required for endothelial cell development. Mediates the conversion of phylloquinone (PK) into MK-4, probably by cleaving the side chain of phylloquinone (PK) to release 2-methyl-1,4-naphthoquinone (menadione, K3) and then prenylating it with geranylgeranyl pyrophosphate (GGPP) to form MK-4. Also plays a role in cardiovascular development independently of MK-4 biosynthesis, by acting as a coenzyme Q10 biosynthetic enzyme: coenzyme Q10, also named ubiquinone, plays a important antioxidant role in the cardiovascular system. Mediates biosynthesis of coenzyme Q10 in the Golgi membrane, leading to protect cardiovascular tissues from NOS3/eNOS-dependent oxidative stress. Aliases: RP4-796F18.1 antibody, SCCD antibody, TERE 1 antibody, tere1 antibody, Transitional epithelia response protein antibody, Transitional epithelial response protein 1 antibody, UbiA prenyltransferase domain containing 1 antibody, UbiA prenyltransferase domain containing protein 1 antibody, UbiA prenyltransferase domain-containing protein 1 antibody, UBIAD1_HUMAN antibody, UBIAD 1 antibody, Ubiad1 antibody

UniProt: [Q9Y5Z9](#)

Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

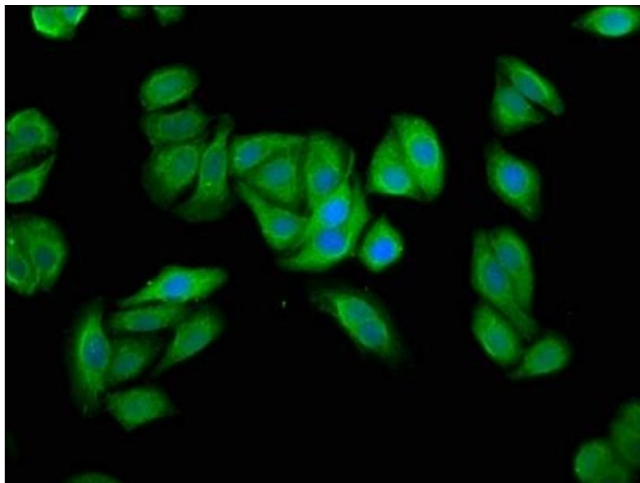
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7174220 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).