

Datasheet for ABIN7174520
anti-UBA1 antibody (AA 730-881)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	UBA1
Binding Specificity:	AA 730-881
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ubiquitin-like modifier-activating enzyme 1 protein (730-881AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	UBA1
Alternative Name:	UBA1 (UBA1 Products)
Background:	Background: Catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation through the ubiquitin-proteasome system (PubMed:1606621, PubMed:1447181).

Target Details

Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP (PubMed:1447181). Essential for the formation of radiation-induced foci, timely DNA repair and for response to replication stress. Promotes the recruitment of TP53BP1 and BRCA1 at DNA damage sites (PubMed:22456334).

Aliases: A1S9 antibody, A1S9 protein antibody, A1S9T and BN75 temperature sensitivity complementing antibody, A1S9T antibody, A1ST antibody, AMCX1 antibody, CFAP124 antibody, CTD-2522E6.1 antibody, GXP 1 antibody, GXP1 antibody, MGC4781 antibody, POC20 antibody, POC20 centriolar protein homolog antibody, Protein A1S9 antibody, SMAX2 antibody, Uba1 antibody, UBA1, ubiquitin-activating enzyme E1 homolog A antibody, UBA1_HUMAN antibody, UBA1A antibody, UBE 1 antibody, UBE 1X antibody, UBE1 antibody, UBE1X antibody, Ubiquitin activating enzyme E1 antibody, Ubiquitin-activating enzyme E1 antibody, Ubiquitin-like modifier-activating enzyme 1 antibody

UniProt: [P22314](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

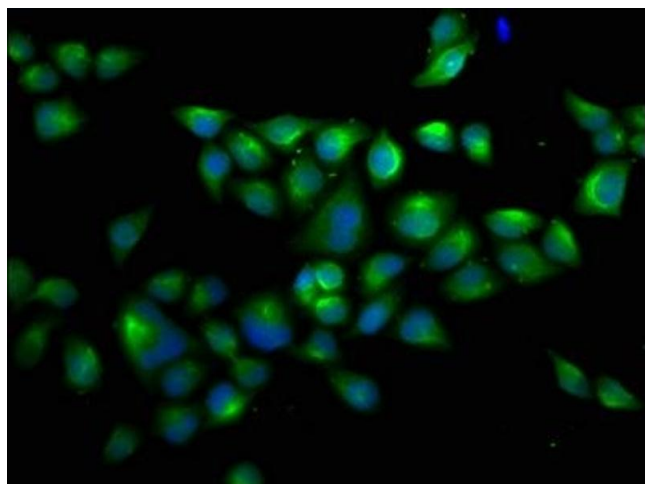
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

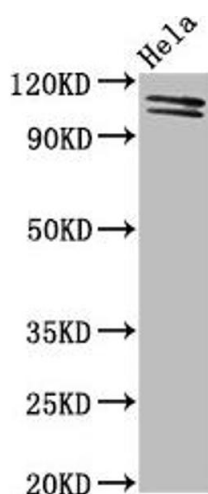
Storage: -20 °C,-80 °C

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



Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells with ABIN7174520 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).



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate All lanes: UBA1 antibody at 2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 118, 114 kDa Observed band size: 118, 114 kDa