

Datasheet for ABIN6149851  
**anti-UBL4A antibody (AA 1-157)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	UBL4A
Binding Specificity:	AA 1-157
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBL4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-157 of human UBL4A (NP_055050.1).
Sequence:	MQLTVKALQG RECSLQVPED ELVSTLKQLV SEKLNVPVRQ QRLLFKGKAL ADGKRLSDYS IGPNSKLNLV VKPLEKVLE EGEAQLRADS PPPQVWQLIS KVLARHFSAAS DASRVLEQLQ RDYERSLSRL TLDDIERLAS RFLHPEVTET MEKGFSSK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	UBL4A
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## Target Details

Alternative Name: UBL4A ([UBL4A Products](#))

Background: As part of a cytosolic protein quality control complex, the BAG6/BAT3 complex, maintains misfolded and hydrophobic patches-containing proteins in a soluble state and participates in their proper delivery to the endoplasmic reticulum or alternatively can promote their sorting to the proteasome where they undergo degradation. The BAG6/BAT3 complex is involved in the post-translational delivery of tail-anchored/type II transmembrane proteins to the endoplasmic reticulum membrane. Recruited to ribosomes, it interacts with the transmembrane region of newly synthesized tail-anchored proteins and together with SGTA and ASNA1 mediates their delivery to the endoplasmic reticulum. Client proteins that cannot be properly delivered to the endoplasmic reticulum are ubiquitinated and sorted to the proteasome. Similarly, the BAG6/BAT3 complex also functions as a sorting platform for proteins of the secretory pathway that are mislocalized to the cytosol either delivering them to the proteasome for degradation or to the endoplasmic reticulum. The BAG6/BAT3 complex also plays a role in the endoplasmic reticulum-associated degradation (ERAD, a quality control mechanism that eliminates unwanted proteins of the endoplasmic reticulum through their retrotranslocation to the cytosol and their targeting to the proteasome. It maintains these retrotranslocated proteins in an unfolded yet soluble state condition in the cytosol to ensure their proper delivery to the proteasome.,UBL4A,DX254E,DXS254E,G6PD,GDX,GET5,MDY2,TMA24,UBL4,Cell Biology & Developmental Biology,Ubiquitin,UBL4A

Molecular Weight: 17 kDa

Gene ID: 8266

UniProt: [P11441](#)

Pathways: [Ubiquitin Proteasome Pathway](#)

## Application Details

Application Notes: WB,1:200 - 1:1000,IP,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

## Handling

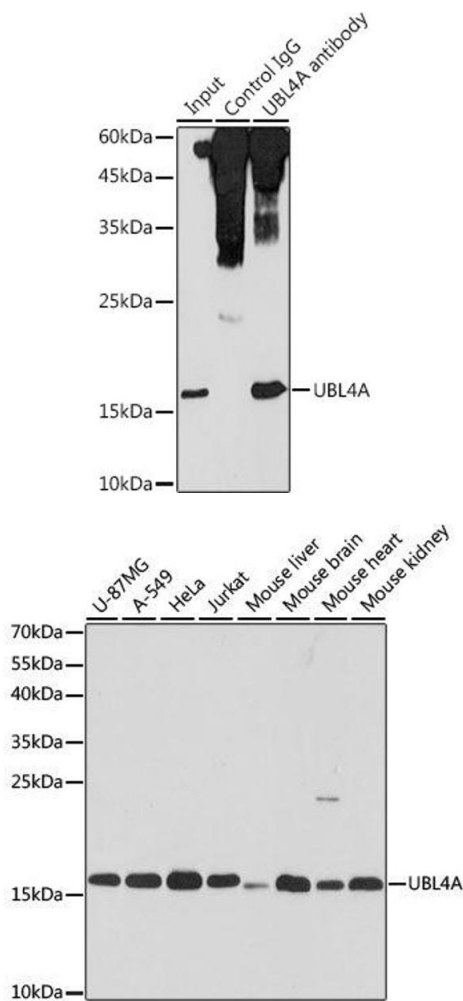
Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

## Handling

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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Immunoprecipitation

**Image 1.** Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg UBL4A antibody (ABIN6132763, ABIN6149851, ABIN6149852 and ABIN6220548). Western blot was performed from the immunoprecipitate using UBL4A antibody (ABIN6132763, ABIN6149851, ABIN6149852 and ABIN6220548) at a dilution of 1:1000.

### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using UBL4A antibody.