

Datasheet for ABIN6242508
anti-OTUB1 antibody (AA 185-219)[Go to Product page](#)

1 Image

Overview

Quantity:	200 µL
Target:	OTUB1
Binding Specificity:	AA 185-219
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OTUB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This OTUB1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 185-219 amino acids from human OTUB1.
Clone:	RB53068
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	OTUB1
Alternative Name:	OTUB1 (OTUB1 Products)
Background:	Hydrolase that can specifically remove 'Lys-48'-linked conjugated ubiquitin from proteins and

Target Details

plays an important regulatory role at the level of protein turnover by preventing degradation. Regulator of T-cell anergy, a phenomenon that occurs when T-cells are rendered unresponsive to antigen rechallenge and no longer respond to their cognate antigen. Acts via its interaction with RNF128/GRAIL, a crucial inductor of CD4 T-cell anergy. Isoform 1 destabilizes RNF128, leading to prevent anergy. In contrast, isoform 2 stabilizes RNF128 and promotes anergy. Surprisingly, it regulates RNF128-mediated ubiquitination, but does not deubiquitinate polyubiquitinated RNF128. Deubiquitinates estrogen receptor alpha (ESR1). Mediates deubiquitination of 'Lys- 48'-linked polyubiquitin chains, but not 'Lys-63'-linked polyubiquitin chains. Not able to cleave di-ubiquitin. Also capable of removing NEDD8 from NEDD8 conjugates, but with a much lower preference compared to 'Lys-48'-linked ubiquitin.

Molecular Weight: 31284

UniProt: [Q96FW1](#)

Application Details

Application Notes: WB: 1:1000-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

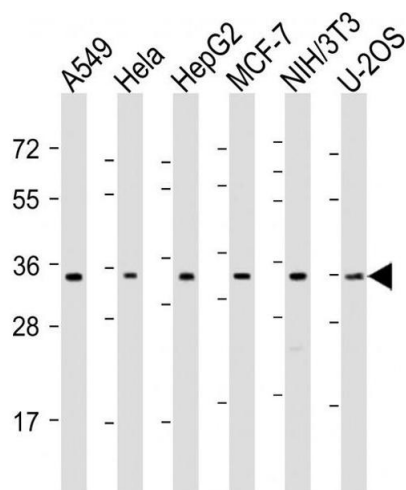
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-OTUB1 Antibody (C-Term) at 1:1000-1:2000 dilution Lane 1: A549 whole cell lysates Lane 2: HeLa whole cell lysates Lane 3: HepG2 whole cell lysates Lane 4: MCF-7 whole cell lysates Lane 5: NIH/3T3 whole cell lysates Lane 6: U-2OS whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.