

Datasheet for ABIN928369  
**anti-UBA3 antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	UBA3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Cow, Dog, Chicken, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBA3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	UBA3 antibody was raised in rabbit using the N terminal of UBA3 as the immunogen
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Cow (Bovine), Dog (Canine), Chicken, Frog, Zebrafish (Brachydanio rerio)
Purification:	Purified

## Target Details

Target:	UBA3
Alternative Name:	UBA3 ( <a href="#">UBA3 Products</a> )
Background:	UBA3 is a catalytic subunit of the dimeric UBA3-NAE1 E1 enzyme. E1 activates NEDD8 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally

## Target Details

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transfers NEDD8 to the catalytic cysteine of UBE2M. UBA3 down-regulates steroid receptor activity. UBA3 is necessary for cell cycle progression. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. Synonyms: Polyclonal UBA3 antibody, Anti-UBA3 antibody, ubiquitin-like modifier activating enzyme 3 antibody, DKFZp566J164 antibody, MGC22384 antibody, UBE1C antibody, hUBA3 antibody.

## Application Details

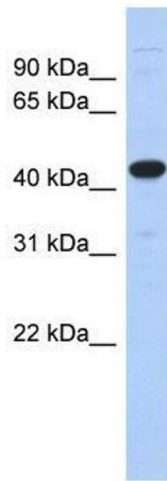
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Application Notes:	WB: 0.2-1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	UBA3 Blocking Peptide, catalog no. 33R-2446, is also available for use as a blocking control in assays to test for specificity of this UBA3 antibody
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



### Western Blotting

**Image 1.** UBA3 antibody used at 5 ug/ml to detect target protein.