

Datasheet for ABIN3043952  
**anti-UBA3 antibody (C-Term)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	UBA3
Binding Specificity:	AA 409-448, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for NEDD8-activating enzyme E1 catalytic subunit(UBA3) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human UBE1C (409-448aa KNRTLYLQSVTSIEERTRPNLSKTLKELGLVDGQELAVAD), identical to the related mouse and rat sequences.
Sequence:	KNRTLYLQSV TSIEERTRPN LSKTLKELGL VDGQELAVAD
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for NEDD8-activating enzyme E1 catalytic subunit(UBA3) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: ubiquitin-like modifier activating enzyme 3</p> <p>Protein Name: NEDD8-activating enzyme E1 catalytic subunit</p>

## Product Details

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Purification: Immunogen affinity purified.

## Target Details

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Target: UBA3

Alternative Name: UBA3 ([UBA3 Products](#))

Background: NEDD8-activating enzyme E1 catalytic subunit is a protein that in humans is encoded by the UBA3 gene. 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. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, an ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Synonyms: DKFZp566J164 antibody|EC 6.3.2. antibody|hUba3 antibody|MGC22384 antibody|NEDD8 activating enzyme E1 catalytic subunit antibody|NEDD8 activating enzyme E1C antibody|Nedd8 activating enzyme hUba3 antibody|NEDD8-activating enzyme E1 catalytic subunit antibody|NEDD8-activating enzyme E1C antibody|uba3 antibody|UBA3 ubiquitin activating enzyme E1 homolog antibody|UBA3\_HUMAN antibody|UBE1C antibody| Ubiquitin activating enzyme 3 antibody|Ubiquitin activating enzyme E1C antibody|Ubiquitin-activating enzyme 3 antibody|Ubiquitin-activating enzyme E1C antibody|Ubiquitin-like modifier-activating enzyme 3 antibody

Gene ID: 9039

## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human,  
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

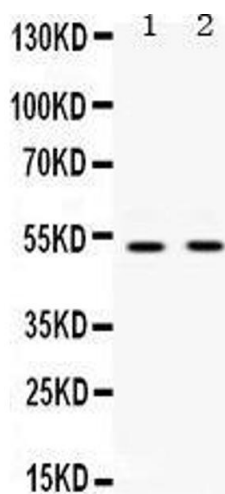
## Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

## Handling

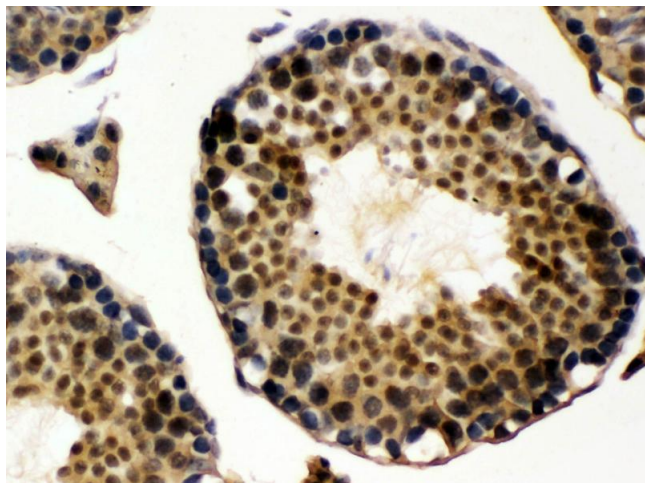
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



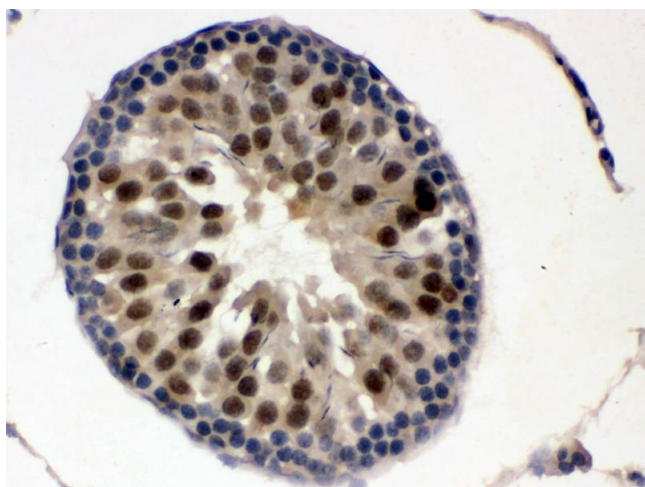
### Western Blotting

**Image 1.** Observed bind size: 52KD



#### Immunohistochemistry

**Image 2.** Anti- UBE1C Picoband antibody,IHC(P) IHC(P): Rat Testis Tissue



#### Immunohistochemistry

**Image 3.** Anti- UBE1C Picoband antibody,IHC(P) IHC(P): Mouse Testis Tissue