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## anti-UBE2N antibody (Middle Region)



**Images** 



Go to Product page

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Quantity:	100 μL	
Target:	UBE2N	
Binding Specificity:	Middle Region	
Reactivity:	Human, Rat, Mouse, Zebrafish (Danio rerio), Dog, Cow, Sheep, Rabbit, Horse, Guinea Pig, Saccharomyces cerevisiae, Goat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (IHC)	

#### **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human UBE2N	
Sequence:	GRICLDILKD KWSPALQIRT VLLSIQALLS APNPDDPLAN DVAEQWKTNE	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 100%, Zebrafish: 100%	
Characteristics:	This is a rabbit polyclonal antibody against UBE2N. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Protein A purified	

### **Target Details**

Target:	UBE2N	
Alternative Name:	UBE2N (UBE2N Products)	

Background:

UBE2N encodes a member of the E2 ubiquitin-conjugating enzyme family. 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. Studies in mouse suggest that this protein plays a role in DNA postreplication repair. 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 E2 ubiquitin-conjugating enzyme family. Studies in mouse suggest that this protein plays a role in DNA postreplication repair.

Alias Symbols: MGC131857, MGC8489, UBC13, UbcH-ben

Protein Interaction Partner: TRIM33, BFAR, MALT1, STUB1, BCL10, UBE2V2, UBC, TRAF6, ZNRF1, XIAP, SLX8, SLX5, MARCH7, TNF, UBE2N, RNF168, RNF8, PARK2, OTUB1, ARIH1, NEDD4L, MFN2, TRIM72, PELI3, RNF111, RNF11, BAG3, TRAF2, FN1, VCAM1, RNF126,

RNF115, NBN, ATP6V1H, VPS33B, ZDHHC5, ACTR2

Protein Size: 152

Molecular Weight: 17 kDa

Gene ID: 7334

NCBI Accession: NM\_003348, NP\_003339

UniProt: P61088

Pathways: TCR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, Positive Regulation of Response to DNA Damage Stimulus, Ubiquitin Proteasome Pathway

#### **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 152 AA	
Restrictions:	For Research Use only	

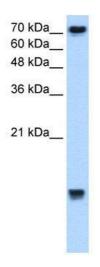
#### Handling

Format: Liquid

#### Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Images**



#### **Western Blotting**

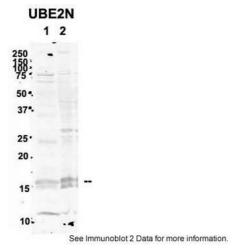
Image 1. WB Suggested Anti-UBE2N

Antibody Titration: 2.5 µg/mL

Positive Control: Jurkat cell lysate

 $\label{lem:bound} \mbox{UBE2N is strongly supported by BioGPS gene expression}$ 

data to be expressed in Human Jurkat cells



#### **Western Blotting**

Image 2. Sample Type: 1. Human NT-2 cells (60ug)

2. mouse brain extracts (80ug)

**Primary Antibody Dilution:** 2ug/ml

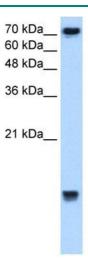
Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-

**COR Bioscience** 

Secondary Antibody Dilution: 1: 20,000

Image Submitted by: Yuzhi Chen

University of Arkansas for Medical Science



#### **Western Blotting**

**Image 3.** WB Suggested Anti-UBE2N Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate UBE2N is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

Please check the product details page for more images. Overall 5 images are available for ABIN2777765.