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Datasheet for ABIN7271231  
**anti-UPB1 antibody (AA 1-240)**

1 Image

Overview

Quantity:	100 µL
Target:	UPB1
Binding Specificity:	AA 1-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UPB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	UPB1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human UPB1 (NP_057411.1).
Sequence:	MAGAEWKSLE ECLEKHLPLP DLQEVKRVLY GKELRKLDP REAFEASRE DFELQGYAFE AAEEQLRRPR IVHVGLVQNR IPLPANAPVA EQVSALHRRRI KAIVEVAAMC GVNIICFQEA WTMPFAFCTR EKLPWTEFAE SAEDGPTTRF CQKLAKNHDM VVSPILERD SEHGDVLWNT AVVISNSGAV LGKTRKNHIP RVGDFNESTY YMEGNLGHVP FQTQFGRIAV NICYGRHHPL
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Product Details

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Purification: Affinity purification

## Target Details

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Target: UPB1

Alternative Name: UPB1 ([UPB1 Products](#))

Background: This gene encodes a protein that belongs to the CN hydrolase family. Beta-ureidopropionase catalyzes the last step in the pyrimidine degradation pathway. The pyrimidine bases uracil and thymine are degraded via the consecutive action of dihydropyrimidine dehydrogenase (DHPDH), dihydropyrimidinase (DHP) and beta-ureidopropionase (UP) to beta-alanine and beta-aminoisobutyric acid, respectively. UP deficiencies are associated with N-carbamyl-beta-amino aciduria and may lead to abnormalities in neurological activity. UPB1, BUP1, Epigenetics & Nuclear Signaling, Cancer, Signal Transduction, Endocrine & Metabolism, Amino acid metabolism, Nucleotide metabolism, Purine and pyrimidine synthesis, UPB1

Molecular Weight: 43kDa

Gene ID: 51733

UniProt: [Q9UBR1](#)

## Application Details

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Application Notes: WB, 1:200 - 1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

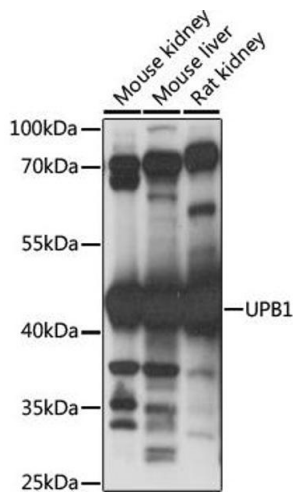
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using UPB1 antibody (ABIN7271231) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.