



Datasheet for ABIN2462585

## anti-UPB1 antibody



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	UPB1
Reactivity:	Human, Mouse, Rat, Dog, Zebrafish (Danio rerio), Drosophila melanogaster, Arabidopsis, C. elegans
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UPB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

#### Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human UPB1.
Purification:	Antibody is purified by protein A chromatography method.

#### Target Details

Target:	UPB1
Alternative Name:	UPB1 ( <a href="#">UPB1 Products</a> )
Background:	UPB1 is 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-

## Target Details

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aminoisobutyric acid, respectively. UP deficiencies are associated with N-carbamyl-beta-amino aciduria and may lead to abnormalities in neurological activity. 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.

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Molecular Weight: 42 kDa

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Gene ID: 51733

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NCBI Accession: [NP\\_057411](#)

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UniProt: [Q9UBR1](#)

## Application Details

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Application Notes: UPB1 antibody can be used for detection of UPB1 by ELISA at 1:1562500. UPB1 antibody can be used for detection of UPB1 by western blot at 2.5 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.

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Concentration: 1 mg/mL

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Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

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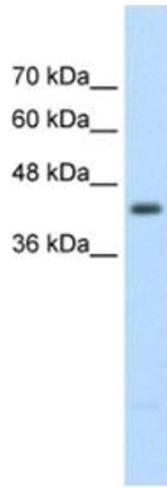
Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

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Storage: 4 °C/-20 °C

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Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store UPB1 antibody at -20 °C.



### Western Blotting

Image 1.