



[Go to Product page](#)

Datasheet for ABIN2775673

## anti-UBE2D2 antibody (Middle Region)

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	UBE2D2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2D2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human UBE2D2
Sequence:	SQWSPALTIS KVLISICSL CDPNPDDPLV PEIARIYKTD REKYNRIARE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against UBE2D2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

### Target Details

Target:	UBE2D2
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## Target Details

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Alternative Name: [UBE2D2 \(UBE2D2 Products\)](#)

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Background: 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. UBE2D2 is a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. SLC38A4 is found predominantly in liver and transports both cationic and neutral amino acids. The transport of cationic amino acids by SLC38A4 is Na(+) and pH independent, while the transport of neutral amino acids is Na(+) and pH dependent (Hatanaka et al., 2001). [supplied by OMIM].

Alias Symbols: E2(17)KB2, PUBC1, UBC4, UBC4/5, UBCH5B

Protein Interaction Partner: RNF26, CHFR, RBX1, DZIP3, UBA1, UBC, TRAF6, BIRC7, anapc11, ZNRF1, RNF146, MID1, MDM2, BIRC3, FZR1, ITCH, HRD1, CUL3, XIAP, MARCH7, RNF25, UBE2D2, RNF130, UBA6, CBLC, PARK2, TRIM21, KCMF1, RNF135, MUL1, MDM4, TRIM23, STUB1, CBL, UBTD1, RNF38, UBI4, RFFL,

Protein Size: 547

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Molecular Weight: 60 kDa

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Gene ID: 7322

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NCBI Accession: [NM\\_018018, NP\\_003330](#)

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UniProt: [P62837](#)

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Pathways: [Activation of Innate immune Response, Toll-Like Receptors Cascades](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 547 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

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## Handling

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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.

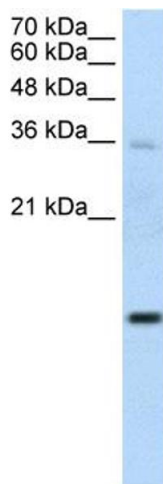
## Publications

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Product cited in: Ramsey, Clarke, Roberts, Sullivan, Johnson, Liu: "An economic evaluation of atorvastatin for primary prevention of cardiovascular events in type 2 diabetes." in: **PharmacoEconomics**, Vol. 26, Issue 4, pp. 329-39, (2008) ([PubMed](#)).

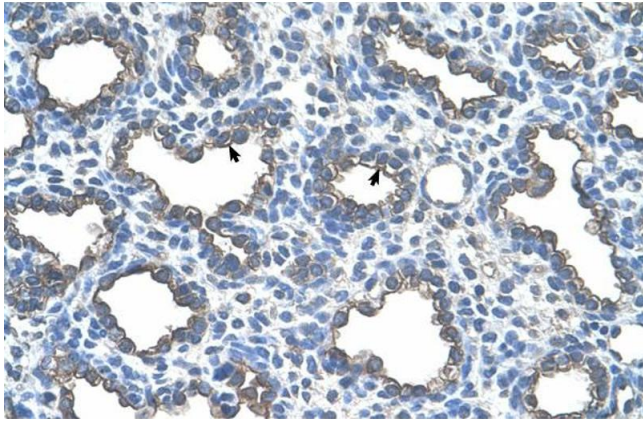
## Validation report #104256 for Western Blotting (WB)

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### Western Blotting

**Image 1.** WB Suggested Anti-UBE2D2 Antibody Titration:  
1.25ug/ml Positive Control: Jurkat cell lysate



## Immunohistochemistry

**Image 2.** Human Lung