

Datasheet: VPA00296

**BATCH NUMBER 160415**

<b>Description:</b>	RABBIT ANTI UBE2D1
<b>Specificity:</b>	UBE2D1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Ig fraction - liquid

### Preparation

Rabbit Ig fraction prepared by ammonium sulphate precipitation

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

**Immunogen** KLH-conjugated synthetic peptide corresponding to aa 111-140 of human UBE2D1

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**External Database**

**Links**

**UniProt:**

[P51668](#) [Related reagents](#)

**Entrez Gene:**

[7321](#) UBE2D1 [Related reagents](#)

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**Synonyms**

SFT, UBC5A, UBCH5, UBCH5A

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**Specificity**

**Rabbit anti Human UBE2D1 antibody** recognizes UBE2D1, also known as UBC4/5 homolog, stimulator of Fe transport, ubiquitin carrier protein D1, ubiquitin-conjugating enzyme E2 D1, ubiquitin-conjugating enzyme E2-17 kDa 1 and ubiquitin-protein ligase D1.

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. The UBE2D1 gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases. Two transcript variants encoding different isoforms have been found for UBE2D1 (provided by RefSeq, Mar 2011).

Rabbit anti Human UBE2D1 antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti UBE2D1 detects a band of approximately 17 kDa in HEK293 cell lysate

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00296>  
Antibody (10040)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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find a

batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M370658:200529'

**Printed on 18 Jan 2024**

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