

Datasheet: VPA00296KT

Description:	UBE2D1 ANTIBODY WITH CONTROL LYSATE
Specificity:	UBE2D1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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.

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant 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

20µl Rabbit Ig fraction prepared by ammonium sulphate precipitation

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen

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

External Database Links	UniProt: P51668 Related reagents Entrez Gene: 7321 UBE2D1 Related reagents
Synonyms	SFT, UBC5A, UBCH5, UBCH5A
Specificity	<p>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.</p> <p>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).</p> <p>Rabbit anti Human UBE2D1 antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti UBE2D1 detects a band of approximately 17 kDa in HEK293 cell lysate
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg HEK293 lysate lyophilized in RIPA buffer
Lysate Reconstitution	<ul style="list-style-type: none"> - If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
Guarantee	As supplied, 12 months from date of despatch

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 #10561 available at:
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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