

Datasheet: VPA00346KT

Description:	UBE4B ANTIBODY WITH CONTROL LYSATE
Specificity:	UBE4B
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
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 (NaN ₃)
Immunogen	KLH-conjugated synthetic peptide corresponding to aa 112-142 of human UBE4B
External Database Links	UniProt: O95155 Related reagents Entrez Gene:

Synonyms	HDNB1, KIAA0684, UFD2
Specificity	<p>Rabbit anti Human UBE4B antibody recognizes UBE4B, also known as UBOX3, UFD2A-III/UBE4B-III splice isoform, homologous to yeast UFD2, homozygously deleted in neuroblastoma-1, ubiquitin conjugation factor E4B, ubiquitin-fusion degradation protein 2 and ubiquitination factor E4B (homologous to yeast UFD2).</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 UBE4B gene encodes an additional conjugation factor, E4, which is involved in multi-ubiquitin chain assembly. UBE4B is also the strongest neuroblastoma tumor suppressor gene. Alternatively spliced transcript variants encoding distinct isoforms have been found for UBE4B (provided by RefSeq, Jul 2008).</p> <p>Rabbit anti Human UBE4B antibody detects a band of 140 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti UBE4B detects a band of approximately 140 kDa in K562 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 K562 lysate lyophilized in RIPA buffer
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>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.</p>
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	<p>Material Safety Datasheet documentation #10040 #10561 available at:</p> <p>Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>

Related Products

Recommended Secondary Antibodies

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

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