

## Datasheet: VPA00705KT

<b>Description:</b>	USP16 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	USP16
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.01% Thiomersal <50% Glycerol
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing part of the N-terminal region of human USP16
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9Y5T5</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">10600</a>    USP16    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<b>Rabbit anti Human USP16 antibody</b> recognizes the ubiquitin carboxyl-terminal hydrolase 16, also

known as deubiquitinating enzyme 16, ubiquitin specific protease 16, ubiquitin thioesterase 16 or ubiquitin-processing protease UBP-M.

The USP16 gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized (provided by RefSeq, Jul 2008).

Rabbit anti Human USP16 antibody detects a band of 112 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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<b>Western Blotting</b>	Rabbit anti USP16 detects a band of approximately 112 kDa in Raji cell lysates
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<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
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<b>Lysate Composition</b>	400µg Raji lysate lyophilized in RIPA buffer.
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<b>Lysate Reconstitution</b>	- If using DDT reconstitute the lyophilized lysate with 190µl DI H <sub>2</sub> O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H <sub>2</sub> O, 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.
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<b>Storage</b>	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.  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.
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<b>Guarantee</b>	As supplied, 12 months from date of despatch
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<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10097 #10561 available at: Antibody (10097): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10097.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10097.pdf</a> Lysate Material (10561): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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