

## Datasheet: VPA00090

<b>Description:</b>	RABBIT ANTI UBC13
<b>Specificity:</b>	UBC13
<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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			
ELISA			■	
Immunoprecipitation			■	
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.

**(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).
<b>Immunogen</b>	A 15 amino acid peptide located near the human UBC13 C-terminus.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P61088</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7334</a>    UBE2N    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	BLU
<b>Specificity</b>	<p><b>Rabbit anti Human UBC13 antibody</b> recognizes UBC13, also known as ubiquitin-conjugating enzyme E2 N (UBE2N), an important component of the toll-like receptor and interleukin-1R signalling pathway.</p> <p>UBC13 is a DNA-damage inducible protein which forms part of an enzyme complex, with UEV1A, that indirectly activates TAK1 via the ubiquitination of TRAF-6. Ubiquitin modification of proteins is important for error-free DNA repair and for targeting of short-lived or abnormal proteins for degradation (<a href="#">Martein <i>et al.</i> 2009</a>).</p> <p>Rabbit anti Human UBC13 antibody detects ubiquitin-conjugating enzyme E2 N as a band of 17 kDa in a wide range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.</p>
<b>Western Blotting</b>	Rabbit anti UBC13 detects a band of approximately 17 kDa in K562 cell lysates.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Stagg, H.R. <i>et al.</i> (2009) The TRC8 E3 ligase ubiquitinates MHC class I molecules before dislocation from the ER. <a href="#">J Cell Biol. 186 (5): 685-92.</a></li> <li>2. Burr, M.L. <i>et al.</i> (2013) MHC class I molecules are preferentially ubiquitinated on endoplasmic reticulum luminal residues during HRD1 ubiquitin E3 ligase-mediated dislocation. <a href="#">Proc Natl Acad Sci U S A. 110 (35): 14290-5.</a></li> </ol>
<b>Further Reading</b>	1. Chen, Z.J. (2005) Ubiquitin signalling in the NF-kappaB pathway. <a href="#">Nat Cell Biol. 7 (8): 758-65.</a>
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VPA00090">https://www.bio-rad-antibodies.com/SDS/VPA00090</a></p> <p>Antibody (10040)</p>

## Related Products

### Recommended Secondary Antibodies

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

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To 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)

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