

## Datasheet: AHP974

<b>Description:</b>	RABBIT ANTI UBC13 (C-TERMINAL)
<b>Specificity:</b>	UBC13 (C-TERMINAL)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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)	▪			2ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5ug/ml - 1ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(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.**

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat, 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

Purified IgG - liquid

### Antiserum Preparation

Antisera to human UBC13 (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by ion exchange chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	A 15 amino acid peptide located near the human UBC13 carboxy-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>RRID</b>	AB_567248
<b>Specificity</b>	<p><b>Rabbit anti Human UBC13 antibody</b> recognizes the C-terminal (CT) region of Ubiquitin-conjugating enzyme E2N (UBC13), also known as Bendless-like ubiquitin-conjugating enzyme, Ubiquitin carrier protein N or Ubiquitin-protein ligase N. UBC13 is a ~16kDa enzyme which is an important component of the TLR (Toll-like receptor) and IL-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 et al. 2009</a>).</p>
<b>Histology Positive Control Tissue</b>	Mouse thymus tissue
<b>Western Blotting</b>	Rabbit anti human UBC13 antibody detects a band of ~16kDa in human small intestine cell lystates.
<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: 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>	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for

short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

### Recommended Useful Reagents

- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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://www.bio-rad-antibodies.com/datasheets)  
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