

Datasheet: AHP974

Description:	RABBIT ANTI UBC13 (C-TERMINAL)
Specificity:	UBC13 (C-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.
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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	A 15 amino acid peptide located near the human UBC13 carboxy-terminus.

External Database Links	UniProt: P61088 Related reagents
	Entrez Gene: 7334 UBE2N Related reagents
Synonyms	BLU
Specificity	Rabbit anti Human UBC13 antibody 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. 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 (Martein et al. 2009).
Histology Positive Control Tissue	Mouse thymus tissue
Western Blotting	Rabbit anti human UBC13 antibody detects a band of ~16kDa in human small intestine cell lysates.
References	1. Stagg, H.R. <i>et al.</i> (2009) The TRC8 E3 ligase ubiquitinates MHC class I molecules before dislocation from the ER. J Cell Biol. 186: 685-92. 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. Proc Natl Acad Sci U S A. 110 (35): 14290-5.
Further Reading	1. Chen, Z.J. (2005) Ubiquitin signalling in the NF-kappaB pathway. Nat Cell Biol. 7 (8): 758-65.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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