

Datasheet: AHP1143

Description:	RABBIT ANTI HUMAN UCH-L3
Specificity:	UCH-L3
Other names:	UBIQUITIN THIOLESTERASE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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)	▪			5 - 15ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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	Based on sequence similarity, is expected to react with: Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to UCH-L3 were raised by repeated immunisations of rabbit with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.2 mg/ml

Immunogen	A synthetic peptide corresponding to an internal domain of human UCH-L3, conjugated to KLH.
External Database Links	<p>UniProt: P15374 Related reagents</p> <p>Entrez Gene: 7347 UCHL3 Related reagents</p>
Specificity	<p>Rabbit anti Human UCH-L3 antibody detects an epitope within the internal domain of human ubiquitin C-terminal hydrolase L3 (UCH-L3), a ~26 kDa thiol protease that hydrolyses a peptide bond in ubiquitin and nedd8. UCH-L3 and the closely related UCH-L1 are thought to recycle ubiquitin to maintain pools of monomeric ubiquitin necessary for proteolysis.</p> <p>UCH-L1 and UCH-L3 have been shown to have separate and overlapping functions in the maintenance of neurons of the gracile tract, nucleus tractus solitarius (NTS) and area postrema (AP). UCH-L3 defective mice have a learning deficit compared to wild type littermates, and significantly increased working memory errors (Wood et al 2005).</p>
Histology Positive Control Tissue	Testis.
Further Reading	<ol style="list-style-type: none"> 1. Kurihara, L.J. <i>et al.</i> (2001) Loss of Uch-L1 and Uch-L3 leads to neurodegeneration, posterior paralysis and dysphagia. Hum Mol Genet. 10 (18): 1963-70. 2. Wood, M.A. <i>et al.</i> (2005) Ubiquitin C-terminal hydrolase L3 (Uchl3) is involved in working memory. Hippocampus. 15 (5): 610-21.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	<p>Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p>
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

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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