

Datasheet: AHP1141

Description:	RABBIT ANTI HUMAN USP4
Specificity:	USP4
Other names:	UNP
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 - 10ug/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: 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 USP4 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 (NaN₃)

Approx. Protein Concentrations IgG concentration 0.5mg/ml

Immunogen Synthetic peptide corresponding to an internal domain of human USP4.

External Database Links

UniProt:

[Q13107](#)

[Related reagents](#)

Entrez Gene:

[7375](#)

USP4

[Related reagents](#)

Synonyms UNP, UNPH

RRID AB_2304244

Specificity **Rabbit anti Human USP4 antibody** detects an epitope within the internal region of ubiquitin specific protease 4 (USP4), a ~105 kDa protein also known as ubiquitous nuclear protein (UNP). USP4 binds to the retinoblastoma family of tumor suppressor proteins, including pRb, p107 and p130. USP4 shuttles between the nucleus and cytoplasm and is thought to be an oncogene, with elevated expression in small cells tumors and adenocarcinomas of the lung.

Histology Positive Control Tissue Thymus

Further Reading

1. Blanchette, P. *et al.* (2001) Association of UNP, a ubiquitin-specific protease, with the pocket proteins pRb, p107 and p130. [Oncogene. 20 \(39\): 5533-7.](#)
2. Soboleva, T.A. *et al.* (2005) Nuclear-cytoplasmic shuttling of the oncogenic mouse UNP/USP4 deubiquitylating enzyme. [J Biol Chem. 280 \(1\): 745-52.](#)
3. Desalle, L.M. *et al.* (2001) The de-ubiquitinating enzyme Unp interacts with the retinoblastoma protein. [Oncogene. 20 \(39\): 5538-42.](#)

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.

Guarantee 12 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](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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)
'M363822:200529'

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