

## Datasheet: AHP1438

<b>Description:</b>	RABBIT ANTI STEAP1 (C-TERMINAL)
<b>Specificity:</b>	STEAP1 (C-TERMINAL)
<b>Other names:</b>	STEAP
<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)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 - 2ug/ml

Where this antibody 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 antibody 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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Rat, Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Antisera to human STEAP (CT) were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity 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

**Immunogen** An 18 amino acid peptide located near the c-terminal region of human STEAP1.

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**External Database Links**

**UniProt:**

[Q9UHE8](#) [Related reagents](#)

**Entrez Gene:**

[26872](#) STEAP1 [Related reagents](#)

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**Synonyms** PRSS24, STEAP

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**RRID** AB\_2271260

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**Specificity**

**Rabbit anti Human STEAP1 antibody** recognizes STEAP1, also known as six transmembrane epithelial antigen of the prostate. STEAP1 is a ~39 kDa protein and member of a family of cell surface serpentine transmembrane antigens of the prostate.

STEAP1 is predominantly expressed in human prostate and is up-regulated in several cancer lines including prostate, ovarian, cervical, breast, testicular, bladder, colon and Ewing sarcoma. It is significantly expressed at cell-cell junctions and has been shown to be a target of human CD8 T cells. This indicates that it could be used as a potential target for cancer immunotherapy. This antibody does not cross-react with other STEAP-proteins.

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**Western Blotting**

AHP1438 detects a band of approximately 40kDa in human spleen cell lysates.

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**Further Reading**

1. Hubert, R.S. *et al.* (1999) STEAP: a prostate-specific cell-surface antigen highly expressed in human prostate tumors. [Proc Natl Acad Sci U S A. 96 \(25\): 14523-8.](#)
  2. Alves, P.M. *et al.* (2006) STEAP, a prostate tumor antigen, is a target of human CD8+ T cells. [Cancer Immunol Immunother. 55 \(12\): 1515-23.](#)
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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

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](#)

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

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

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

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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