

## Datasheet: AHP1486

<b>Description:</b>	RABBIT ANTI CARABIN (N-TERMINAL)
<b>Specificity:</b>	CARABIN (N-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)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 - 2ug/ml
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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antiserum to human Carabin was raised by repeated immunisation of rabbits with highly

purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
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<b>Immunogen</b>	A 17 amino acid peptide from near the amino terminus of human Carabin.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q8IV04</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">374403</a> TBC1D10C <a href="#">Related reagents</a>
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<b>RRID</b>	AB_2199227
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<b>Specificity</b>	<p><b>Rabbit anti Human Carabin antibody</b> recognizes the N-terminal region of human Carabin, also known as TBC1 domain family member 10C (TBC1D10C), a 50 kDa protein belonging to the TBC1 domain family of proteins.</p> <p>Carabin differs from other members of the TBC1 domain protein family, which appear to play a role in the regulation of cell growth and differentiation. Carabin is part of a negative regulatory loop for the intracellular TCR signaling pathway and acts as an inhibitor of the Ras signaling pathway. Carabin is also believed to mediate crosstalk between calcineurin and Ras.</p> <p>Carabin is most abundantly expressed in spleen and peripheral blood leucocytes. Rabbit anti Human Carabin antibody (<b>AHP1486</b>) does not cross react with either TBC1D10A or TBC1D10B.</p>
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<b>Western Blotting</b>	AHP1486 detects a band of approximately 55kDa in human spleen tissue cell lysates.
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Pan, F. <i>et al.</i> (2007) Feedback inhibition of calcineurin and Ras by a dual inhibitory protein Carabin. <a href="#">Nature. 445 (7126): 433-6.</a></li><li>2. Weil, R. &amp; Israël, A. (2006) Deciphering the pathway from the TCR to NF-kappaB. <a href="#">Cell Death Differ. 13 (5): 826-33.</a></li><li>3. Im, S.H. &amp; Rao, A. (2004) Activation and deactivation of gene expression by Ca<sup>2+</sup>/calcineurin-NFAT-mediated signaling. <a href="#">Mol Cells. 18 (1): 1-9.</a></li><li>4. White, R.A. <i>et al.</i> (2000) The gene encoding TBC1D1 with homology to the tre-2/USP6 oncogene, BUB2, and cdc16 maps to mouse chromosome 5 and human chromosome 4. <a href="#">Cytogenet Cell Genet. 89 (3-4): 272-5.</a></li></ol>
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<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
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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](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[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)  
'M382686:210513'

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