

## Datasheet: AHP2054

<b>Description:</b>	RABBIT ANTI BOVINE CARBOXYPEPTIDASE A1
<b>Specificity:</b>	CARBOXYPEPTIDASE A1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			5ug/ml
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Immunofluorescence	▪			
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.

<b>Target Species</b>	Bovine
<b>Species Cross Reactivity</b>	<p>Reacts with: Human</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>	Ig fraction - liquid

**Antiserum Preparation** Antiserum to bovine carboxypeptidase A1 was raised by repeated immunisation of rabbits with highly purified antigen. IgG fraction was prepared from whole serum by ammonium sulphate precipitation.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Total protein concentration 1.0 mg/ml.
<b>Immunogen</b>	Carboxypeptidase A1 from bovine pancreas.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P00730</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">286762</a> CPA1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CPA
<b>RRID</b>	AB_10556638
<b>Specificity</b>	<b>Rabbit anti Bovine Carboxypeptidase A1 antibody</b> recognizes bovine Carboxypeptidase A1, a 309 amino acid monomeric pancreatic extopeptidase derived by cleavage of the propeptide. Carboxypeptidase A1 belongs to the peptidase M14 family ( <a href="#">UniP rel="noopener"rot: P00370</a> ).
<b>Immunohistology</b>	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
<b>Histology Positive Control Tissue</b>	Bovine pancreas
<b>References</b>	1. Fazio, E.N. <i>et al.</i> (2011) Stanniocalcin 2 alters PERK signalling and reduces cellular injury during cerulein induced pancreatitis in mice. <a href="#">BMC Cell Biol. 12: 17.</a>
<b>Storage</b>	<p>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 short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<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>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [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://bio-rad-antibodies.com/datasheets)

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