# Datasheet: VPA00073

## BATCH NUMBER 201014

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| **Description:** | SHEEP ANTI CARBONIC ANHYDRASE II |
| **Specificity:** | CARBONIC ANHYDRASE II |
| **Format:** | Purified |
| **Product Type:** | PrecisionAb Polyclonal |
| **Isotype:** | Polyclonal IgG |
| **Quantity:** | 100 µl |

## 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 |
|---|---|---|---|---|
| Western Blotting | ▪ | | | 1/1000 |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click here to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

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| **Target Species** | Human |
| **Species Cross Reactivity** | Reacts with: Mouse<br>**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 |
| **Preparation** | Sheep polyclonal antibody purified by affinity chromatography |
| **Buffer Solution** | Phosphate buffered saline |
| **Preservative Stabilisers** | 0.09% Sodium Azide ($NaN_3$) |

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| **External Database Links** | **UniProt:**<br>P00918 Related reagents<br><br>**Entrez Gene:**<br>760 CA2 Related reagents |
| **Specificity** | **Sheep anti Human carbonic anhydrase II antibody** recognizes carbonic anhydrase II (CA-II), also known as carbonate dehydratase II and carbonic anhydrase C (CAC). CA-II is a ubiquitous zinc enzyme that catalyzes the reversible conversion of carbonic acid ($H_2CO_3$) to carbon dioxide ($CO_2$) and water ($H_2O$). Carbonic anhydrase inhibitors have now been a mainstay of human clinical intervention for several decades, with at least 25 clinically used drugs that are CA inhibitors<br><br>Sheep anti Human carbonic anhydrase II antibody detects a single band of 29 kDa in the human epidermoid carcinoma A431 cell line lysate. Cross reactivity with mouse cell lines is also seen. |
| **Western Blotting** | Sheep anti carbonic anhydrase II detects a band of approximately 29 kDa in A431 cell lysates. |
| **Storage** | Store undiluted at -20$^{o}$C, avoiding repeated freeze thaw cycles. |
| **Guarantee** | 12 months from date of despatch |
| **Acknowledgements** | PrecisionAb is a trademark of Bio-Rad Laboratories. |
| **Health And Safety Information** | Material Safety Datasheet documentation #10040 available at:<br>https://www.bio-rad-antibodies.com/SDS/VPA00073<br>Antibody (10040) |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2504...) HRP


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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

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