

Datasheet: VPA00073

BATCH NUMBER 201014

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.

Target Species

Human

Species Cross Reactivity

Reacts 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

Preparation

Sheep polyclonal antibody purified by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

**External Database
Links**

UniProt:

[P00918](#) [Related reagents](#)

Entrez Gene:

[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 (H₂CO₃) to carbon dioxide (CO₂) and water (H₂O). 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

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°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:
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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](https://www.bio-rad-antibodies.com/datasheets)

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