

Datasheet: VPA00073

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
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)
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 (H ₂ CO ₃) to carbon dioxide (CO ₂) and water (H ₂ O). Carbonic anhydrase inhibitors have now been a mainstay of human clinical
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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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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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