

Datasheet: 2AB02B

Description:	SHEEP ANTI RABBIT IgG:Biotin
Specificity:	IgG
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

RRID AB_321855

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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/400 - 1/800
Immunohistology - Paraffin	▪			1/100 - 1/200
ELISA	▪			1/25600 - 1/51200
Western Blotting	▪			1/20000

Where this antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

Target Species Rabbit

Species Cross Reactivity Does not react with: Human, Mouse, Rat, Bovine

Product Form Purified IgG conjugated to Biotin - liquid

Antiserum Preparation Antisera to rabbit IgG were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Rabbit IgG from pooled sera.

**External Database
Links**

UniProt:

[P01870](#) [Related reagents](#)

Entrez Gene:

[100009097](#) LOC100009097 [Related reagents](#)

Specificity

Sheep anti Rabbit IgG antibody recognizes rabbit IgG (Heavy and light chains). Cross reactivity with bovine, human, mouse or rat serum components has been minimised by adsorption.

Sheep anti Rabbit IgG antibody has been used extensively as a secondary reagent for the detection of rabbit polyclonal antibodies in immunohistological ([Pimanda *et al.* 2006](#)) and ELISA ([Herndon *et al.* 2010](#)) applications.

References

1. Blakey, D.C. *et al.* (2002) Antitumor activity of the novel vascular targeting agent ZD6126 in a panel of tumor models. [Clin Cancer Res. 8 \(6\): 1974-83.](#)
2. Herndon, C.N. *et al.* (2010) Differential expression of interleukin-8 by polymorphonuclear leukocytes of two closely related species, *Ovis canadensis* and *Ovis aries*, in response to *Mannheimia haemolytica* infection. [Infect Immun. 78: 3578-84.](#)
3. Pimanda, J.E. *et al.* (2006) Transcriptional link between blood and bone: the stem cell leukemia gene and its +19 stem cell enhancer are active in bone cells. [Mol Cell Biol. 26: 2615-25.](#)
4. Dell'Accio, F. *et al.* (2006) Activation of WNT and BMP signaling in adult human articular cartilage following mechanical injury. [Arthritis Res Ther. 8: R139.](#)
5. Clements, K.M. *et al.* (2011) Matrix metalloproteinase 17 is necessary for cartilage aggrecan degradation in an inflammatory environment. [Ann Rheum Dis. 70: 683-9.](#)
6. Saulnier, A. *et al.* (2013) The Doublesex Homolog Dmrt5 is Required for the Development of the Caudomedial Cerebral Cortex in Mammals. [Cereb Cortex. 23: 2552-67.](#)
7. Mitić, T. and McKay, J.S. (2005) Immunohistochemical analysis of acetylation, proliferation, mitosis, and apoptosis in tumor xenografts following administration of a histone deacetylase inhibitor—a pilot study. [Toxicol Pathol. 33: 792-9.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

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