

Datasheet: 7835-1009

Description:	SHEEP ANTI HUMAN 14-3-3 PROTEIN
Specificity:	14-3-3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

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	■			1/10 - 1/50

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 the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified Ig - liquid
Preparation	Purified Ig prepared by affinity chromatography on Protein G
Antiserum Preparation	Antisera to 14-3-3 were raised by repeated immunisations of sheep with highly purified antigen.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Ig concentration 2.5 mg/ml
Immunogen	Native 14-3-3 protein, purified from pathogen-free normal human brain.

External Database Links

UniProt:

P63104	Related reagents
Q04917	Related reagents
P27348	Related reagents
P62258	Related reagents
P31947	Related reagents

[P61981](#) [Related reagents](#)

[P31946](#) [Related reagents](#)

Entrez Gene:

[7534](#) YWHAZ [Related reagents](#)

[7533](#) YWHAH [Related reagents](#)

[2810](#) SFN [Related reagents](#)

[7531](#) YWHAЕ [Related reagents](#)

[7532](#) YWHAG [Related reagents](#)

[10971](#) YWHAQ [Related reagents](#)

[7529](#) YWHAB [Related reagents](#)

Synonyms

HME1, YWHA1

Specificity

Sheep anti Human 14-3-3 antibody recognises the lower molecular weight subunit (26 kDa) of protein 14-3-3.

The 14-3-3 family consists of ~30 kDa proteins involved in multiple cellular processes including protein kinase signalling pathways, regulation of cell cycle progression, transcription and intracellular trafficking. Protein interactions with 14-3-3 show distinct preferences for its different isoforms and are regulated by phosphorylation of both 14-3-3 and the bound protein ([Bax and Jhoti 1995](#))

References

1. Boston, P.F. *et al.* (1982) Purification, properties, and immunohistochemical localisation of human brain 14-3-3 protein. [J. Neurochem. 38: 1466-1474.](#)
2. Maronde, E. *et al.* (2011) Dynamics in enzymatic protein complexes offer a novel principle for the regulation of melatonin synthesis in the human pineal gland. [J Pineal Res. 51: 145-55.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
Avoid repeated freezing and thawing as this may denature the antibody.
Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10040 available at:
<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) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[FITC](#), [HRP](#)

Recommended Useful Reagents

[RABBIT ANTI 14-3-3 ISOFORM PANEL \(PAN017\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com "M312932:180305"	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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