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 YWHAE Related reagents 7532 YWHAG Related reagents 10971 YWHAQ Related reagents 7529 YWHAB Related reagents
Synonyms	HME1, YWHA1
RRID	AB_2217775
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 (5): 1466-74. 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^{o}C or at -20^{o}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.
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10040 available at:

Information	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) (5184-2304...) Biotin

Donkey Anti Sheep IgG (STAR88...) DyLight®488, HRP

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