

Datasheet: AHP907

Description:	SHEEP ANTI DYNAMIN (pSer778)
Specificity:	DYNAMIN (pSer778)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			1/1000

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 appropriate negative/positive controls.

Target Species	Rat
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Bovine, Chicken, Human, Dog N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to phosphorylated rat dynamin were raised by repeated immunisations of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	10mM HEPES pH7.5
Preservative	0.09% Sodium Azide
Stabilisers	0.01% Bovine Serum Albumin 50% Glycerol
Immunogen	Synthetic phosphopeptide corresponding to an amino acid sequence within dynamin which includes phosphorylated Ser778.
External Database	UniProt:

Links [P21575](#) [Related reagents](#)

Entrez Gene:

[140694](#) Dnm1 [Related reagents](#)

Synonyms Dnm

RRID AB_566954

Specificity **Sheep anti Rat dynamin (pSer778) antibody** recognizes dynamin, also known as B-dynamin and D100, when phosphorylated at serine 778.

Dynamin is a phosphoprotein expressed at nerve terminals, which plays an important role in the regulation of synaptic vesicle endocytosis. Cyclin dependent protein kinase 5 (cdk5) has been shown to phosphorylate serine 774 and 778 *in vivo*. Dephosphorylation of these residues is essential for endocytosis of synaptic vesicles.

Western Blotting SHEEP ANTI DYNAMIN (pSer778) antibody detects a band of approximately 95 kDa in rat hippocampus lysates.

References 1. Marland, J.R. *et al.* (2016) Synaptic Vesicle Recycling Is Unaffected in the Ts65Dn Mouse Model of Down Syndrome. [PLoS One. 11 \(1\): e0147974.](#)

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10088 available at:
10088: <https://www.bio-rad-antibodies.com/uploads/MSDS/10088.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](#), [FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376

America 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M364362:200529'

Printed on 11 Aug 2020