

## Datasheet: AHP907

**BATCH NUMBER 147635**

<b>Description:</b>	SHEEP ANTI DYNAMIN (pSer778)
<b>Specificity:</b>	DYNAMIN (pSer778)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

#### 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.

<b>Buffer Solution</b>	10mM HEPES pH7.5
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to an amino acid sequence within dynamin which includes phosphorylated Ser778.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P21575</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">140694</a> Dnm1 <a href="#">Related reagents</a>
<b>Synonyms</b>	Dnm
<b>RRID</b>	AB_566954
<b>Specificity</b>	<b>Sheep anti Rat dynamin (pSer778) antibody</b> 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 <i>in vivo</i> . Dephosphorylation of these residues is essential for endocytosis of synaptic vesicles.
<b>Western Blotting</b>	SHEEP ANTI DYNAMIN (pSer778) antibody detects a band of approximately 95 kDa in rat hippocampus lysates.
<b>References</b>	1. Marland, J.R. <i>et al.</i> (2016) Synaptic Vesicle Recycling Is Unaffected in the Ts65Dn Mouse Model of Down Syndrome. <a href="#">PLoS One. 11 (1): e0147974.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10088 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP90710088">https://www.bio-rad-antibodies.com/SDS/AHP90710088</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M364362:200529'

Printed on 12 Aug 2023

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