

## Datasheet: AHP1551

<b>Description:</b>	RABBIT ANTI RAT RAB3
<b>Specificity:</b>	RAB3
<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 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 appropriate negative/positive controls.

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Mouse, Primate, Xenopus, Human <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to Rab3 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	10mM HEPES pH7.5, 150mM NaCl
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Peptide corresponding to amino acid residues from the N-terminal region of rat Rab3 conjugated to keyhole limpet hemocyanin (KLH).
<b>External Database</b>	<b>UniProt:</b>

<b>Links</b>	<a href="#">P20336</a>	<a href="#">Related reagents</a>
	<a href="#">P20337</a>	<a href="#">Related reagents</a>
	<a href="#">Q96E17</a>	<a href="#">Related reagents</a>
	<a href="#">O95716</a>	<a href="#">Related reagents</a>

**Entrez Gene:**

<a href="#">5864</a>	RAB3A	<a href="#">Related reagents</a>
<a href="#">5865</a>	RAB3B	<a href="#">Related reagents</a>
<a href="#">9545</a>	RAB3D	<a href="#">Related reagents</a>
<a href="#">115827</a>	RAB3C	<a href="#">Related reagents</a>

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**Synonyms** GOV, RAB16

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**Specificity** Rabbit anti Rat RAB3 antibody recognizes Rab3, a group of closely related GTP-binding proteins (Rab3A, Rab3B, Rab3C and Rab3D) involved in regulating membrane traffic. Rab3 proteins are expressed in high levels in the brain and endocrine tissues but are also found elsewhere. They are localised on exocytic vesicles and in the brain they cycle on and off synaptic vesicles in parallel with the release of neurotransmitters. Many functions have been proposed for the Rab3 proteins, from fusion to docking and the biogenesis of vesicles. They are thought to play an important role in presynaptic vesicle trafficking and priming.

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**Western Blotting** AHP1551 detects a band of approximately 27kDa in rat cortex lysate.

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**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.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10088 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf>

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**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

### Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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