

## Datasheet: 0030-2004

<b>Description:</b>	RABBIT ANTI ACETYLCHOLINE
<b>Specificity:</b>	ACETYLCHOLINE
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			1/50 - 1/500

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.

<b>Target Species</b>	Broad
<b>Species Cross Reactivity</b>	Reacts with: Rat, Human <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified Ig - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Ig concentration 5.0 mg/ml
<b>Immunogen</b>	Synthetic acetylcholine conjugated to Keyhole limpet Haemocyanin.
<b>Specificity</b>	<b>Rabbit anti acetylcholine polyclonal antibody</b> recognizes the small cationic neurotransmitter acetylcholine, involved in the transmission of nerve impulses across synapses. The structure of acetylcholine is preserved across the animal kingdom and the Rabbit anti acetylcholine is expected to recognize acetylcholine from all species possessing this neurotransmitter.

**Histology Positive Control Tissue** Rat brain tissue

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**References**

1. Amenta, F. *et al.* (2006) Association with the cholinergic precursor choline alphoscerate and the cholinesterase inhibitor rivastigmine: an approach for enhancing cholinergic neurotransmission. [Mech Ageing Dev. 127: 173-9.](#)
2. El-Assouad, D. and Tayebati, S.K. (2002) Cholinergic innervation of pial arteries in senescent rats: an immunohistochemical study. [Mech Ageing Dev. 123: 529-36.](#)
3. Tayebati, S.K. *et al.* (2002) Immunochemical and immunocytochemical characterization of cholinergic markers in human peripheral blood lymphocytes. [J Neuroimmunol. 132: 147-55.](#)

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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 #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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