

## Datasheet: 2080-0157

<b>Description:</b>	RECOMBINANT RAT CHOLINE ACETYLTRANSFERASE
<b>Name:</b>	CHOLINE ACETYLTRANSFERASE
<b>Other names:</b>	ChAT
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	10 µg

## 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			▪	
Western Blotting			▪	

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>	Rat
<b>Product Form</b>	Purified recombinant ChAT- liquid
<b>Preparation</b>	Purified recombinant rat choline acetyltransferase expressed in <i>Escherichia coli</i> .
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	10% Glycerol
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.25 mg/ml

### External Database Links

#### UniProt:

[P32738](https://www.uniprot.org/uniprot/P32738)

[Related reagents](#)

**Entrez Gene:**

[290567](#) [Chat](#) [Related reagents](#)

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**Product Information** **Recombinant hepatitis B 320 core antigen 18kDa AYW** is a recombinant protein corresponding to rat Choline Acetyltransferase (ChAT), an enzyme that catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.

This product may be used as blocking peptide for [Goat anti human choline acetyltransferase antibody](#) (product code: **2080-0000**) at a suggested concentration range of 2-5 µg/ml. The antigen should be incubated with the antibody for 3 hours at 4°C before being used on tissue sections.

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 6 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10141 available at:  
10141: <https://www.bio-rad-antibodies.com/uploads/MSDS/10141.pdf>

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**Regulatory** For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)

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