

## Datasheet: AAR43

<b>Description:</b>	SHEEP ANTI RAT ENDOTHELIN B RECEPTOR (C-TERMINAL)
<b>Specificity:</b>	ENDOTHELIN B RECEPTOR (C-TERMINAL)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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	▪			10 - 20ug/ml
ELISA			▪	
Immunoprecipitation	▪			20 - 40ug/ml
Western Blotting			▪	
Immunofluorescence	▪			10 - 20ug/ml
Immunocytochemistry	▪			

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.

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Human</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to rat ET-B (CT) was raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN <sub>3</sub> )
Approx. Protein Concentrations	IgG concentration 1.41mg/ml
Immunogen	Keyhole limpet haemocyanin (KLH) conjugated C-terminal peptide KANDHGYDNFRSSNN corresponding to amino acids 424 to 437 of rat endothelin B receptor.
External Database Links	<p><b>UniProt:</b></p> <p><a href="#">P21451</a>      <a href="#">Related reagents</a></p> <p><a href="#">P24530</a>      <a href="#">Related reagents</a></p> <p><a href="#">P48302</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">50672</a>    Ednrb      <a href="#">Related reagents</a></p> <p><a href="#">1910</a>      EDNRB      <a href="#">Related reagents</a></p> <p><a href="#">13618</a>    Ednrb      <a href="#">Related reagents</a></p>
Synonyms	ETRB
RRID	AB_2096583
Specificity	<p><b>Sheep anti Rat endothelin B receptor antibody</b> recognizes an epitope within the C-terminal (CT) region of endothelin B receptor (ET-B), a widely distributed transmembrane protein and member of the G-protein coupled receptor 1 family, which acts as a non-specific receptor for endothelin 1, 2, and 3, and mediates its action by G protein association and activation of a phosphatidylinositol-calcium second messenger system. Sheep anti Rat endothelin B receptor antibody (<b>AAR43</b>) recognizes epitopes on the cytoplasmic side of the receptor and therefore the cell membrane must be permeable to the antibody. AAR43 does not block the binding of endothelins.</p> <p>Sheep anti Rat endothelin B receptor antibody (<b>AAR43</b>) is suitable for use in immunocytochemistry on acetone fixed cells.</p>
Storage	<p>This product is shipped at ambient temperature.</p> <p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at:</p> <p><a href="https://www.bio-rad-antibodies.com/SDS/AAR43">https://www.bio-rad-antibodies.com/SDS/AAR43</a></p> <p>10040</p>

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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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)

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