

Datasheet: AAR43

BATCH NUMBER 147448

Description:	SHEEP ANTI RAT ENDOTHELIN B RECEPTOR (C-TERMINAL)
Specificity:	ENDOTHELIN B RECEPTOR (C-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species

Rat

Species Cross Reactivity

Reacts with: Mouse, Human

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

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	0.09% Sodium Azide (NaN ₃)
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>UniProt:</p> <p>P21451 Related reagents</p> <p>P24530 Related reagents</p> <p>P48302 Related reagents</p> <p>Entrez Gene:</p> <p>50672 Ednrb Related reagents</p> <p>1910 EDNRB Related reagents</p> <p>13618 Ednrb Related reagents</p>
Synonyms	ETRB
RRID	AB_2096583
Specificity	<p>Sheep anti Rat endothelin B receptor antibody 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 (AAR43) 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 (AAR43) is suitable for use in immunocytochemistry on acetone fixed cells.</p>
Storage	<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: https://www.bio-rad-antibodies.com/SDS/AAR43</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

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