

Datasheet: AAR43

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.
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

UniProt:

[P21451](#) [Related reagents](#)
[P24530](#) [Related reagents](#)
[P48302](#) [Related reagents](#)

Entrez Gene:

[50672](#) Ednrb [Related reagents](#)
[1910](#) EDNRB [Related reagents](#)
[13618](#) Ednrb [Related reagents](#)

Synonyms

ETRB

Specificity

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.

Sheep anti Rat endothelin B receptor antibody (**AAR43**) is suitable for use in immunocytochemistry on acetone fixed cells.

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[FITC](#), [HRP](#)

Recommended Useful Reagents

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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