

Datasheet: AHP3115

BATCH NUMBER 164178

Description:	RABBIT ANTI RAT CALCITONIN RECEPTOR
Specificity:	CALCITONIN RECEPTOR
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
Immunohistology - Frozen	▪			1/1,000 - 1/5,000
ELISA	▪			1/20,000
Western Blotting	▪			
Immunocytochemistry	▪			1/1,000

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

Reacts weakly with: 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 - lyophilized

Reconstitution

Reconstitute with 100ul distilled water

Antiserum Preparation

Antisera to calcitonin receptor were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein A.

Buffer Solution	10 mM Sodium Phosphate
Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution
Immunogen	Synthetic peptide derived from a C-terminal sequence of rat calcitonin receptor.
External Database Links	<p>UniProt: P32214 Related reagents</p> <p>Entrez Gene: 116506 Calcrcr Related reagents</p>
Specificity	<p>Rabbit anti rat calcitonin receptor antibody recognizes rat calcitonin receptor, also known as CT-R or C1A/C1B.</p> <p>Calcitonin receptor is a seven-transmembrane domain G protein-coupled receptor that binds the protein hormone calcitonin. It is expressed in kidneys, central and peripheral nervous system, skeletal muscle stem cells and osteocytes. Investigations on calcitonin receptor's function have mainly focused on its role in regulating calcium homeostasis and osteoclast-mediated bone resorption. However, a growing body of evidence suggests that calcitonin receptor could also be involved in foetal morphogenesis and cancer development.</p> <p>Rabbit anti rat calcitonin receptor antibody binds to an intracellular epitope of the calcitonin receptor that is shared by both C1a and C1b rat calcitonin receptor isoforms. It has been shown to cross-react with mouse calcitonin receptor.</p>
Histology Positive Control Tissue	Kidney, cultured osteoclasts
Storage	<p>Prior to reconstitution store at +4°C. After reconstitution store at -20°C. 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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #20505 available at: https://www.bio-rad-antibodies.com/SDS/AHP3115 20505</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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'M415227:221216'

Printed on 19 Jan 2024

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