Polyclonal Antibody to Calcitonin receptor - Purified

Alternate names: CALCR, CT-R, CTR
Catalog No.: SP1338P
Quantity: 0.1 mg
Concentration: 1.0 mg/ml
Background: Calcitonin Receptor is a seven transmembrane domain cell surface protein which is coupled to G protein messenger systems. Calcitonin receptor is expressed in kidney, central and peripheral nervous systems and in osteoclasts. It is also expressed in a number of tissues during the development of the embryo and may be important in foetal morphogenesis.

Uniprot ID: P32214
NCBI: NP_001029187.1
GeneID: 116506
Host: Rabbit
Immunogen: Synthetic peptide derived from C-terminal sequence of Rat Calcitonin Receptor
Format: State: Liquid purified IgG fraction.
Purification: Affinity Chromatography on Protein A.
Buffer System: PBS containing 0.09% Sodium Azide as preservative.

Applications: ELISA (1/10,000).
Western blot (Reducing Conditions).
Immunohistochemistry on Frozen Sections (1/10–1/50).
Immunohistochemistry on Paraffin Embedded Tissues (1/10–1/50): The use of 4% paraformaldehyde fixation rather than formalin fixation is recommended. A sensitive detection system is also recommended, e.g., a catalysed signal amplification system. Does not require protein digestion pre-treatment nor antigen retrieval using heat prior to staining of paraffin embedded sections.
Suitable Positive Control: Kidney, cultered osteoclasts.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: SP1338P reacts with the Calcitonin Receptor.
It recognises an epitope within the cytoplasmic domain that is common to both C1a and C1b Rat isoforms.

Species Reactivity: Tested: Rat. Cross reacts with Mouse and Human.

Add. Information: Antiserum Preparation: Antisera to calcitonin receptor were raised by repeated immunisations of Rabbits with highly purified antigen.
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**Storage:**
Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

**General References:**