



# Anti-Calcitonin Receptor monoclonal antibody, clone 21/00-A3-14-13 (CABT-49689MR)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

This product recognises the rat calcitonin receptor, a membrane protein with seven transmembrane domains that is coupled to G protein messenger systems. Clone 21/00 recognises an epitope within extracellular domain that is unique to the C1b isoform. Calcitonin receptor is expressed in kidney, central and peripheral nervous systems and on osteoclasts. It is also expressed in a number of tissues during the development of the embryo and may be important in foetal morphogenesis. Immunohistology This product does not require protein digestion pre-treatment of paraffin embedded sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin embedded sections.

<b>Specificity</b>	CALCITONIN RECEPTOR
<b>Immunogen</b>	Synthetic peptide derived from sequence of rat calcitonin receptor.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rat
<b>Clone</b>	21/00-A3-14-13
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; IHC-P
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	0.09% Sodium Azide

<b>Storage</b>	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Calcr calcitonin receptor [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	CALCR
<b>Synonyms</b>	CALCR; calcitonin receptor; CT-R; C1A/C1B; CALCITONIN RECEPTOR;
<b>Entrez Gene ID</b>	<a href="#">116506</a>
<b>Protein Refseq</b>	<a href="#">NP_001029187</a>
<b>UniProt ID</b>	P32214
<b>Chromosome Location</b>	4q13
<b>Pathway</b>	Calcitonin-like ligand receptors; Class B/2 (Secretin family receptors); Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; G alpha (s) signalling events; GPCR downstream signaling; GPCR ligand binding; GPCRs, Class B Secretin-like;
<b>Function</b>	calcitonin binding; NOT calcitonin binding; calcitonin receptor activity; protein transporter activity; receptor activity;