

ARG10155 anti-Calcitonin antibody [13B9]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [13B9] recognizes Calcitonin
Tested Reactivity	Hu
Tested Application	ELISA, WB
Specificity	Human calcitonin and procalcitonin
Host	Mouse
Clonality	Monoclonal
Clone	13B9
Isotype	IgG2a
Target Name	Calcitonin
Species	Human
Immunogen	Calcitonin conjugated with carrier protein
Conjugation	Un-conjugated
Alternate Names	CALC1; Calcitonin carboxyl-terminal peptide; CCP; PDN-21; CT

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

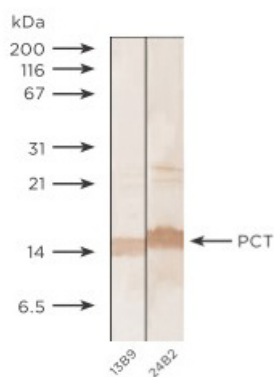
Form	Liquid
Purification	Protein A affinity purified.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 796 Human
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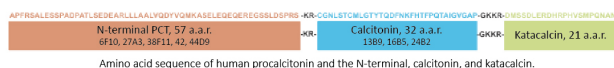
Gene Symbol	CALCA
Gene Full Name	Calcitonin
Background	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katecalcine by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katecalcine is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]
Function	Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones. Katecalcine is a potent plasma calcium-lowering peptide. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	14 kDa

Images

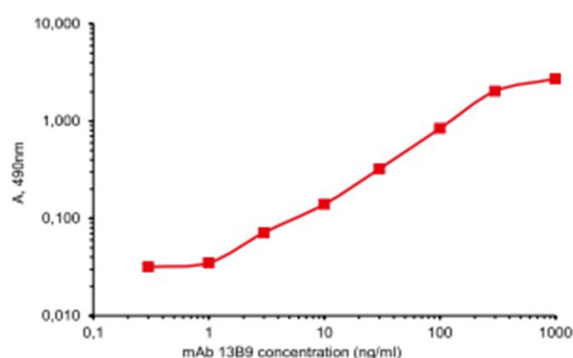


ARG10155 anti-Calcitonin antibody [13B9] WB image

Western Blot: human recombinant PCT (100 ng/lane) stained with ARG10155 anti-Calcitonin antibody [13B9] specific to calcitonin in Western blotting after 15% SDS-PAGE in reducing conditions.



ARG10155 anti-Calcitonin antibody [13B9] Immunogen location image



ARG10155 anti-Calcitonin antibody [13B9] ELISA image

ELISA: Titration curve of ARG10155 anti-Calcitonin [13B9] in indirect ELISA. Antigen: Calcitonin human recombinant - 0.02 µg/well.