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Product datasheet for TA364142

Calcitonin (CALCA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Calcitonin C-Terminal Flanking Peptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Asp-Met-Ser-Ser-Asp-Leu-Glu-Arg-Asp-His-Arg- Pro-His-Val-Ser-Met-Pro-Gln-Asn-Ala-Asn-OH coupled to a carrier protein.
Formulation:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	calcitonin related polypeptide alpha
Database Link:	Entrez Gene 796 Human P01258
Background:	Calcitonin C-Terminal Flanking Peptide, also known as Katacalcin, is a member of the calcitonin gene family. It is a calcium-lowering hormone that can significantly lower plasma calcium level. Calcitonin C-Terminal Flanking Peptide flanks calcitonin on the C-terminal side within the human calcitonin precursor. It specifically binds to the calcitonin receptor of $CD14^{+}$ peripheral blood mononuclear cells. This antibody was generated by immunization of rabbits with Calcitonin C-Terminal Flanking Peptide coupled to a carrier protein.
Synonyms:	CALC1; CGRP; CGRP-I; CGRP1; CT; katacalcin; KC; MGC126648; PCT; Procalcitonin

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