

Product datasheet for **UM800185**

Calcitonin (CALCA) Mouse Monoclonal Antibody [Clone ID: UMAB303]

Product data:

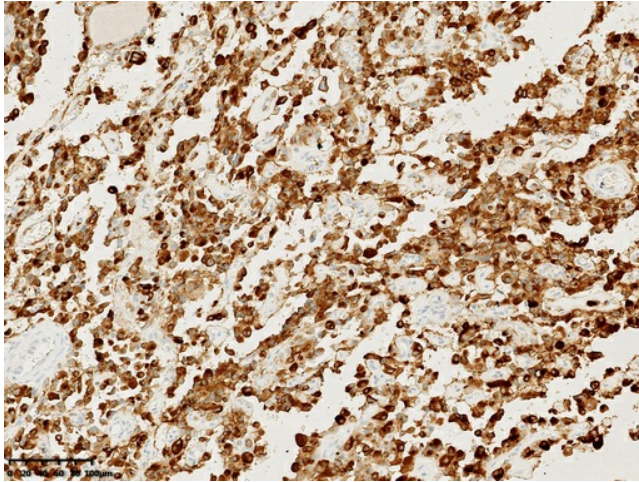
Product Type:	Primary Antibodies
Clone Name:	UMAB303
Applications:	IHC
Recommended Dilution:	IHC 1:10000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Calcitonin(CALCA) (NP_001732). The exact sequence is proprietary.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1.00mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	15.5 kDa
Gene Name:	calcitonin related polypeptide alpha
Database Link:	NP_001732 Entrez Gene 796 Human P01258
Background:	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katelectin 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 katelectin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2014]
Synonyms:	CALC1; CGRP; CGRP-alpha; CGRP-I; CGRP1; CT; KC; PCT



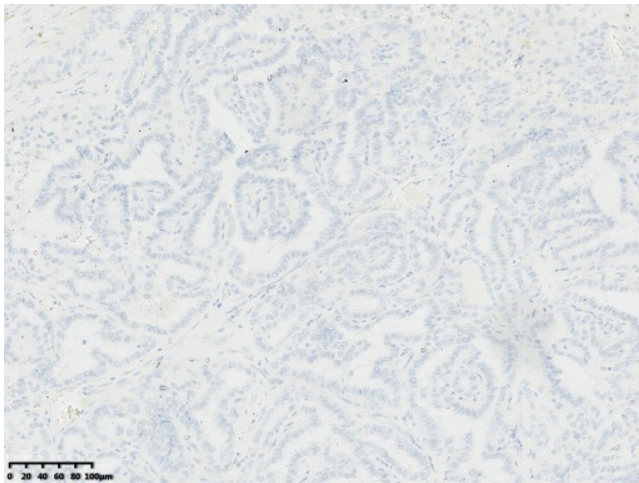
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Protein Families: Druggable Genome, Secreted Protein

Product images:



IHC staining of FFPE human medullary thyroid carcinoma tissue using anti-Calcitonin(CALCA) mouse monoclonal antibody (UM800185) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human papillary thyroid cancer tissue using anti-Calcitonin(CALCA) mouse monoclonal antibody (UM800185) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.