

Anti-Procalcitonin (PCT) Antibody (7R665)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 13 kDa. Actual: 17 kDa.
Clone:	7R665
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: Lane 1: Recombinant human Procalcitonin, N-His Primary: Anti-Procalcitonin (PCT) (TMAB-11763) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 13 kDa Observed band size: 17 kDa</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (human thyroid gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Procalcitonin (PCT)) Monoclonal Antibody, Unconjugated (TMAB-11763) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human Thyroid Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Procalcitonin (PCT) Monoclonal Antibody, Unconjugated (TMAB-11763) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Green, BF488), DAPI (blue) was used to stain the cell nuclei.</p> <p>4. 4% Paraformaldehyde-fixed TT (treated with BFA) (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Procalcitonin(PCT)) monoclonal Antibody, unconjugated (TMAB-11763) 1: 100, 90 min at 37°C; followed by FITC conjugated Goat Anti-Mouse IgG antibody (green, FITC) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.</p>
Application:	ICC/IF,IF,IHC-Fr,IHC-P,WB
Recommended	ICC/IF=1:50-200; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Procalcitonin(PCT)
Antigen Species: Human
Gene ID: 796
Uniprot ID: P01258

Research Background

Procalcitonin (PCT) is a peptide precursor of the hormone calcitonin, the latter being involved with calcium homeostasis. It arises once preprocalcitonin is cleaved by endopeptidase. It is composed of 116 amino acids and is produced by parafollicular cells (C cells) of the thyroid and by the neuroendocrine cells of the lung and the intestine.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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