

Anti-Ameloblastin Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 45 kDa.
Purification:	Protein A purified

Applications

Application:	ELISA,ICC/IF,IF,IHC-Fr,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

Properties

Stability & Storage:	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 AMBN
Antigen Species:	Human
Gene ID:	258
Uniprot ID:	Q9NP70
Synonyms:	Ameloblastin(enamel matrix protein);AMBN
Biology Area:	Other ECM Proteins

Research Background

Dental enamel is a highly mineralized tissue with most of its volume occupied by large, highly organized, hydroxyapatite crystals. This structure is thought to be controlled through the interaction of many organic matrix molecules including amelogenin, ameloblastin, enamelin, tuftelin and several other enzymes. All of these secreted proteins are involved in the mineralization and enamel matrix formation in developing tooth enamel. Ameloblastin (AMBN), which localizes to the extracellular matrix, is an ameloblast-specific protein. It is detected in the sheath space between rod-interrod enamel and at the Tomes processes of secretory ameloblasts. Defects in the gene encoding for ameloblastin, AMBN, can be seen in patients with ameloblastomas.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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