

bs-13832R**[Primary Antibody]****CEMP1 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human) Predicted MW.: 26 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 752014	SWISS: Q6PRD7	
Target: CEMP1		
Immunogen: KLH conjugated synthetic peptide derived from human CEMP1: 151-247/247.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: A mineralized connective tissue known as cementum covers the root surfaces of teeth and is required for maturation of periodontal tissue. CEMP1 (cementum protein 1), also designated CP23 or cementoblastoma-derived protein 1, is a 247 amino acid nuclear and cytoplasmic protein that is thought to regulate cementoblast behavior. Expressed specifically in periodontal ligament and cementum, CEMP1 may play a role in differentiation and mineralization of non-osteogenic cells. The gene encoding CEMP1 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.		