bs-12467R

AMBN Rabbit pAb

[Primary Antibody]

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— DATASHEET

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

GeneID: 258

SWISS: Q9NP70

Target: AMBN

Immunogen: KLH conjugated synthetic peptide derived from human AMBN: 21-120/447.

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℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

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.

Applications: **WB** (1:500-2000)
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, Mouse, Rat, Rabbit, Sheep, Cow, Dog, Horse)

Predicted MW.: 45 kDa

Subcellular Location: Secreted ,Extracellular matrix

— SELECTED CITATIONS

- **[IF=3.606]** Xie, Yongting. et al. Amelogenesis imperfecta in a Chinese family resulting from a FAM83H variation and the effect of FAM83H on the secretion of enamel matrix proteins. CLIN ORAL INVEST. 2022 Nov;:1-11 WB ;Rat. 36318336

- **[IF=3.6]** Li Haiyang. et al. Identification of ferroptosis-related proteins in ameloblastoma based on proteomics analysis. J CANCER RES CLIN. 2023 Sep;:1-11 ICC ;Human. 37725241