

## Ameloblastin Polyclonal Antibody

|                              |                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No :</b>          | YT0209                                                                                                                |
| <b>Reactivity :</b>          | Human;Rat;Mouse;                                                                                                      |
| <b>Applications :</b>        | WB;ELISA                                                                                                              |
| <b>Target :</b>              | Ameloblastin                                                                                                          |
| <b>Gene Name :</b>           | AMBN                                                                                                                  |
| <b>Protein Name :</b>        | Ameloblastin                                                                                                          |
| <b>Human Gene Id :</b>       | 258                                                                                                                   |
| <b>Human Swiss Prot No :</b> | Q9NP70                                                                                                                |
| <b>Mouse Swiss Prot No :</b> | O55189                                                                                                                |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human Ameloblastin. AA range:275-324              |
| <b>Specificity :</b>         | Ameloblastin Polyclonal Antibody detects endogenous levels of Ameloblastin protein.                                   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                               |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG                                                                                                |
| <b>Dilution :</b>            | WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.                                              |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml                                                                                                               |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                        |
| <b>Observed Band :</b>       | 48kD                                                                                                                  |

**Background :** This gene encodes the nonamelogenin enamel matrix protein ameloblastin. The encoded protein may be important in enamel matrix formation and mineralization. This gene is located in the calcium-binding phosphoprotein gene cluster on chromosome 4. Mutations in this gene may be associated with dentinogenesis imperfect and autosomal dominant amylogenesis imperfect. [provided by RefSeq, Aug 2011],

**Function :** disease:Defects in AMBN are found in patients with ameloblastomas.,function:Involved in the mineralization and structural organization of enamel.,similarity:Belongs to the ameloblastin family.,tissue specificity:Ameloblast-specific. Located at the Tomes processes of secretory ameloblasts and in the sheath space between rod-interrod enamel.,

**Subcellular Location :** Secreted, extracellular space, extracellular matrix.

**Expression :** Ameloblast-specific. Located at the Tomes processes of secretory ameloblasts and in the sheath space between rod-interrod enamel.

**Tag :** hot

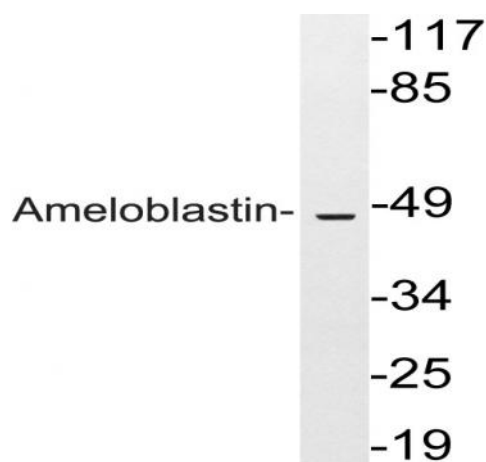
**Sort :** 1945

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



Western blot analysis of lysates from HeLa cells, using Ameloblastin antibody.