

TGM1 Monoclonal antibody

 Catalog Number: **67004-1-Ig** **1 Publications**

Basic Information

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|--|---|---|
| Catalog Number: 67004-1-Ig | GenBank Accession Number: BC034699 | Purification Method: Protein A purification |
| Size: 1800 µg/ml | GeneID (NCBI): 7051 | CloneNo.: 3D9C11 |
| Source: Mouse | UNIPROT ID: P22735 | Recommended Dilutions: WB 1:1000-1:6000 IHC 1:500-1:2000 |
| Isotype: IgG2b | Full Name: transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) | |
| Immunogen Catalog Number: AG3905 | Calculated MW: 817 aa, 90 kDa | |
| | Observed MW: 90 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IHC, WB, ELISA | Positive Controls: |
| Cited Applications: WB, IHC | WB : human saliva tissue, |
| Species Specificity: Human | IHC : human tonsillitis tissue, human cervical cancer tissue |
| Cited Species: human | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

Transglutaminase 1 is an epidermal enzyme that is expressed during the terminal differentiation of keratinized squamous epithelium to form cornified cell envelope in differentiated keratinocytes. Mutation of TGM1 has been linked to various epidermal diseases. This antibody recognizes the endogenous 90 kDa TGM1 proteins.

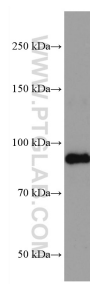
Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|----------------|-------------|
| Daren Wang | 38470060 | Carcinogenesis | WB, IHC |

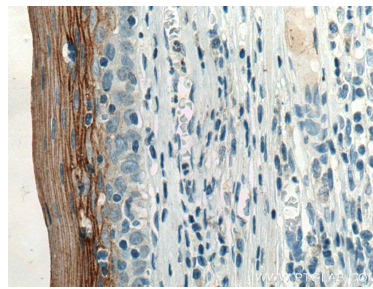
Storage

Storage:
Store at -20°C.
Storage Buffer:
 PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 67004-1-Ig (TGM1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67004-1-Ig (TGM1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).