

# Rabbit Transglutaminase 1, Keratinocyte (TGM1) Polyclonal Antibody | anti-TGM1 antibody

Polyclonal Antibody to Transglutaminase 1, Keratinocyte (TGM1)

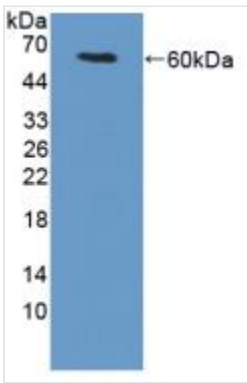
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                 |
|-----------|--------|-------------------|------------------------------------------------------------------------------|
| AAA131189 | Rabbit | Mouse, Human, Rat | Immunoprecipitation, Immunohistochemistry, Immunocytochemistry, Western Blot |

## PRODUCT SYNONYMS

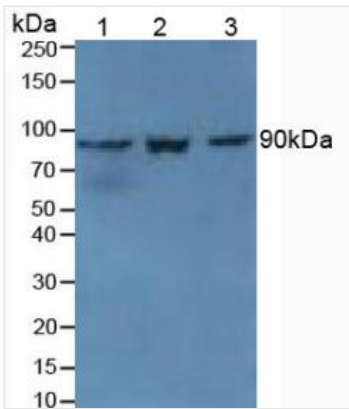
Transglutaminase 1; Keratinocyte (TGM1); Polyclonal Antibody; Polyclonal Antibody to Transglutaminase 1; anti-TGM1 antibody

## PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity                                     | Mouse, Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                            | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                    | Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Concentration                                  | 0.73mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence                                       | Antigen: The target protein is fused with a C-terminal His-tag and its sequence is listed below.<br>MRNK KFELGLEFPN LPYYIDGDVK LTQSMALIRY IADKHNMLGG CPKERAEISM LEGAVLDIRY GVSRIAYSKD<br>FETLKVDFLS KLPEMLKMF EDRCHKTYLN GDHVTHPDFM LYDALDVVLY MDPMCLDAFP KLVCFKKRIE<br>AIPQIDKYLK SSKYIAWPLQ GWQATFGGGD HPPKSDGSTS GSGHHHHHHS AGLVPRGSTA IGMKETAAAK<br>FERQHMDSPD LGTLEVLFGQ PLGSEF-LIG NWTGDYSRGT NPSAWVGSVE ILLSYLRTGY SVPYGCWVF<br>AGVTTTVLRC LGFATRTVTN FNSAHD TDTS LTMDIYFDEN MKPLEHLNHD SVWNFHVWND CWMKRPDLPS<br>GFDGWQVDA TPQETSSGIF CCGPCSVESV KNGLVYMKYD TPFIFAEVNS DKVYWQRQDD GSFKIVYVEE<br>KAIGTLIVTK AIHSNNREDI THYKHPEGS EAERRAVEKA AAHGSKPNVY ATRDSAEDVA MQVEAQDAVM<br>GQDLAVSVVL TNRGSSRR |
| Applicable Applications for anti-TGM1 antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Organism Species                               | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source                                         | Polyclonal antibody preparation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cross Reactivity                               | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Traits                                         | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen                                      | Recombinant TGM1 (Leu337~Arg607 (Accession # Q9JLF6)) expressed in E.coli ( ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                        | Avoid repeated freeze / thaw cycles.<br>Store at 4°C for frequent use.<br>Aliquot and store at -20°C for 24 months.<br><br>Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.                                                                                                                                                                                                                            |



WB (Western Blot)  
Western Blot:Sample: Recombinant TGM1, Mouse.



WB (Western Blot)  
Western Blot:Sample: Lane1: Mouse Kidney Tissue;Lane2: Mouse Spleen Tissue;Lane3: Mouse Placenta Tissue.

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 239787890                                     |
| NCBI GeneID                      | 21816                                         |
| NCBI Accession #                 | NP_001155186.1                                |
| NCBI GenBank Nucleotide #        | NM_001161714.1                                |
| UniProt Accession #              | Q9JLF6; Q8R0T9                                |
| NCBI Official Full Name          | protein-glutamine gamma-glutamyltransferase K |
| NCBI Official Synonym Full Names | transglutaminase 1, K polypeptide             |
| NCBI Official Symbol             | Tgm1                                          |
| NCBI Official Synonym Symbols    | Tgase1; 2310004J08Rik                         |
| NCBI Protein Information         | protein-glutamine gamma-glutamyltransferase K |
| UniProt Protein Name             | Protein-glutamine gamma-glutamyltransferase K |
| UniProt Gene Name                | Tgm1                                          |
| UniProt Synonym Gene Names       | TG(K); TGK; TGase K; TGase-1                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/transglutaminase-1-keratinocyte-tgm1-antibody-immunoprecipitation-immunohistochemistry-immunocytochemistry-western-blot-elisa/131189>