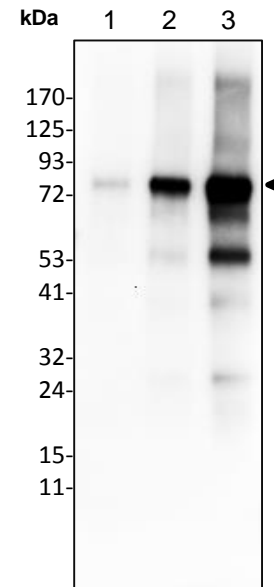


## Transglutaminase-2 Antibody

<b>ALTERNATE NAMES:</b>	TGM2, Protein-glutamine gamma-glutamyltransferase 2, Tissue transglutaminase, TG, TGC, TGase C, Transglutaminase H, TGase H, TGase-2
<b>CATALOG NO. :</b>	A1001-100
<b>AMOUNT:</b>	100 µg (0.5 mg/ml)
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	human Transglutaminase-2 recombinant protein (Cat. No. 7700)
<b>INTERNAL ID:</b>	BV-Q6
<b>PURIFICATION:</b>	Affinity purified rabbit IgG
<b>MOLECULAR WEIGHT:</b>	77 kDa
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Supplied in PBS (pH 7.2) with 0.01 % BSA, 0.03 % ProClin®, and 50 % glycerol
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid repeated freeze/thaw cycles.
<b>DESCRIPTION:</b>	Tissue transglutaminase, a 78-kDa calcium dependent enzyme (EC 2.3.2.13), is found both in the intracellular and the extracellular spaces of various types of tissues. TG2 crosslinks proteins between the ε-amino group of a lysine residue and the γ-carboxamide group of glutamine residue, creating an inter- or intramolecular bond that is highly resistant to proteolysis (protein degradation). TG2 also possesses deamidation, GTP-binding/hydrolyzing, and isopeptidase activities. Intracellular TG2 is thought to play an important role in apoptosis, while extracellular TG2 has been linked to cell adhesion, ECM stabilization, wound healing, receptor signaling, cellular proliferation, and cellular motility.
<b>APPLICATION:</b>	Western blot: 1-4 µg/ml

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



### Western blot analysis of Transglutaminase-2 using anti-transglutaminase-2 antibody:

Lane 1: 2 ng human Transglutaminase-2 recombinant protein  
Lane 2: 10 ng human Transglutaminase-2 recombinant protein  
Lane 3: 50 ng human Transglutaminase-2 recombinant protein

### RELATED PRODUCTS:

- Active Transglutaminase 2 (His-tagged), human recombinant (Cat. No. 7700-10,100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**