

TGase2/TGM2 polyclonal antibody

Catalog: BS91335

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Terminally differentiating mammalian epidermal cells acquire an insoluble, 10 to 20 nm thick protein deposit on the intracellular surface of the plasma membrane known as the cross-linked cell envelope (CE). The CE is a component of the epidermis that is generated through formation of disulfide bonds and γ -glutamyl-lysine isopeptide bonds, which are formed by the action of transglutaminases (TGases). TGases are intercellularly localizing, Ca^{2+} -dependent enzymes that catalyze the formation of isopeptide bonds by transferring an amine on to glutamyl residues, thereby cross-linking glutamine residues and lysine residues in substrate proteins. TGases influence numerous biological processes, including blood coagulation, epidermal differentiation, seminal fluid coagulation, fertilization, cell differentiation and apoptosis. Human keratinocyte transglutaminase (TGase1) is a membrane associated, 817 amino acid protein. Human tissue transglutaminase (TGase2) is an endothelial cell specific, 687 amino acid protein.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

77 kDa

Swiss-Prot:

P21980(Human) P21981(Mouse)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

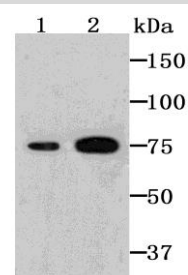
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

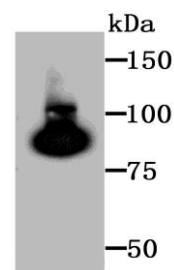
Specificity:

TGase2/TGM2 polyclonal antibody detects endogenous levels of TGase2/TGM2 protein.

DATA:



Western blot analysis of Transglutaminase 2 on mouse placenta (1) and lung tissue lysates using anti-Transglutaminase 2 antibody at 1/500 dilution.



Western blot analysis of Transglutaminase 2 on HUVEC cell lysates using anti-Transglutaminase 2 antibody at 1/500 dilution.

Note:

For research use only, not for use in diagnostic procedure.

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