

Mouse Transglutaminase-3 Monoclonal Antibody | anti-TG3 antibody

Transglutaminase-3 (TG3) Monoclonal Antibody

CATALOG # AAA47773	HOST Mouse	APPLICATIONS Immunocytochemistry, Immunoblot, Western Blot
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PRODUCT SYNONYMS

Transglutaminase-3; Monoclonal Antibody; Transglutaminase-3 (TG3) Monoclonal Antibody; Anti-Transglutaminase-3 (TG3); anti-TG3 antibody

PRODUCT SPECIFICATIONS

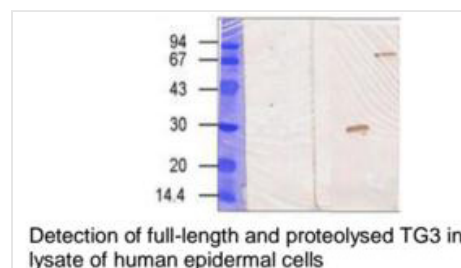
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody recognizes full-length human TG3 (77kDa) and the proteolysed form of human TG3 (30-47kDa).
Form/Format	100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.
Sequence Length	2
Applicable Applications for anti-TG3 antibody	ICC (Immunocytochemistry), IB (Immunoblot)
Antigen	Recombinant human TG3 (accession no. Q08188).
Preparation and Storage	This product is stable for at least one (1) year at -20 degree C to -70 degree C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

IMAGES



Detection of TG3 in human foreskin

Application Data



Detection of full-length and proteolysed TG3 in lysate of human epidermal cells

Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-TG3 antibody	Transglutaminase-3 (TG3), an epidermal-type enzyme, is responsible for formation of the epidermis. During keratinocyte differentiation, TG1 and TG3 appear to act cooperatively in the cross-linking of proteins, including involucrin, loricrin and small proline-rich proteins (SPRs). These reactions result in formation of the cornified envelope (CE), a specialized component consisting of covalent cross-links of proteins beneath the plasma membrane of terminally differentiated keratinocytes. Furthermore, TG3 in hair follicles is involved in cross-linking structural proteins such as trichohyalin and keratin intermediate to hardening the inner root sheath. During differentiation in these processes, a zymogen form of TG3 (77 kDa) is activated by limited proteolysis with cathepsins S and/or L.
Product Categories/Family for anti-TG3 antibody	Enzymes and Enzyme Inhibitor Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4262814
NCBI Official Full Name	transglutaminase 3, partial

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/monoclonal/transglutaminase-3-antibody-immunocytochemistry-immunoblot-elisa/47773>