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Datasheet for ABIN6991595
anti-Transglutaminase 5 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	Transglutaminase 5 (TGM5)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transglutaminase 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	TGM5 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human TGM5. The immunogen is located within the last 50 amino acids of TGM5.
Isotype:	IgG
Specificity:	TGM5 antibody is predicted to not cross-react with other TGase protein family members. Multiple isoforms of TGM5 are known to exist.
Purification:	TGM5 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Transglutaminase 5 (TGM5)
Alternative Name:	TGM5 (TGM5 Products)

Target Details

Background: TGM5 Antibody: Transglutaminases (TGM) are a family of structurally and functionally related Ca²⁺-dependent enzymes (TGases) that stabilize protein assemblies through the formation of gamma-glutamyl-epsilon lysine crosslinks. TGases influence numerous biological processes, including blood coagulation, cell differentiation, fertilization and apoptosis. TGM5 belongs to the transglutaminase superfamily and catalyzes the cross-linking of proteins between glutamine and lysine residues, often resulting in stabilization of protein assemblies. TGM5 is also expressed in the human hair follicle. Defects in TGM5 are associated with acral peeling skin syndrome.

Gene ID: 9333

NCBI Accession: [NP_963925](#)

UniProt: [O43548](#)

Application Details

Application Notes: TGM5 antibody can be used for detection of TGM5 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TGM5 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TGM5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.