

TGM5 rabbit pAb

Catalog No :	YT7219
Reactivity :	Human;Mouse
Applications :	WB
Target :	TGM5
Gene Name :	TGM5 TGMX
Protein Name :	TGM5
Human Gene Id :	9333
Human Swiss Prot No :	O43548
Mouse Gene Id :	74176
Mouse Swiss Prot No :	Q9D7I9
Immunogen :	Synthesized peptide derived from human TGM5 AA range: 448-498
Specificity :	This antibody detects endogenous levels of TGM5 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 79kD**Background :** This gene encodes a member of the transglutaminase family. The encoded protein catalyzes formation of protein cross-links between glutamine and lysine residues, often resulting in stabilization of protein assemblies. This reaction is calcium dependent. Mutations in this gene have been associated with acral peeling skin syndrome. [provided by RefSeq, Oct 2009],**Function :** catalytic activity:Protein glutamine + alkylamine = protein N(5)-alkylglutamine + NH(3).,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,cofactor:Binds 1 calcium ion per subunit.,disease:Defects in TGM5 are a cause of peeling skin syndrome acral type (APSS) [MIM:609796, 270300]. Peeling skin syndrome (PSS) is an autosomal recessive genodermatosis characterized by the continuous shedding of the outer layers of the epidermis from birth and throughout life. In some cases of PSS, skin peeling is accompanied by erythema, vesicular lesions, or, in rare cases, other ectodermal features, like fragile hair and nail abnormalities. Two main subtypes, noninflammatory type A and inflammatory type B, have been suggested. However, it is clear from the dermatology literature that there are additional subtypes. In some f**Subcellular Location :** Cytoplasm . Associated with intermediate filaments.**Expression :** Expressed in foreskin keratinocytes.

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