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## anti-Transglutaminase 7 antibody (AA 460-510)



Overview	
Quantity:	0.1 mg
Target:	Transglutaminase 7 (TGM7)
Binding Specificity:	AA 460-510
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transglutaminase 7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)
Product Details	
Immunogen:	TGM7 antibody was raised against a 13 amino acid synthetic peptide near the center of human TGM7. The immunogen is located within amino acids 460 - 510 of TGM7.
Isotype:	IgG
Specificity:	TGM7 antibody is predicted to not cross-react with other TGase protein family members. At least two isoforms of TGM7 are known to exist, this antibody will recognize both isoforms.
Purification:	TGM7 Antibody is affinity chromatography purified via peptide column.
Target Details	
Target:	Transglutaminase 7 (TGM7)
Alternative Name:	TGM7 (TGM7 Products)

## **Target Details**

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Background:	TGM7 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. TGM7 belongs to the transglutaminase superfamily and is also thought to catalyze the cross-linking of proteins, often resulting in stabilization of protein assemblies. Little is known of the role of TGM7, but defects in the highly related protein TGM5 are associated with acral peeling skin syndrome.
Gene ID:	116179
UniProt:	Q96PF1
Application Details	
Application Notes:	TGM7 antibody can be used for detection of TGM7 by Western blot at 1 $\mu$ ,g/mL. Antibody can also be used for immunocytochemistry starting at 2.5 $\mu$ ,g/mL. For immunofluorescence start at 10 $\mu$ ,g/mL.
	Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TGM7 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:	TGM7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

not be exposed to prolonged high temperatures.

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should