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# Datasheet for ABIN736253 anti-TGM3 antibody (AA 601-693)

2 Images

1 Publication



#### Overview

Quantity:	100 µL
Target:	TGM3
Binding Specificity:	AA 601-693
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGM3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin- embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

# Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TGM3
Isotype:	lgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.
Target Details	
Target:	TGM3

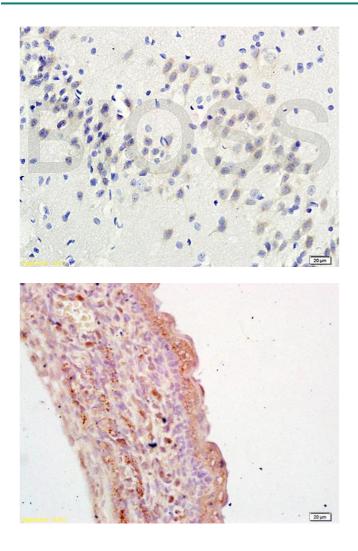
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN736253 | 03/08/2024 | Copyright antibodies-online. All rights reserved.

Alternative Name:	TGM3 (TGM3 Products)
Alternative Name.	
Background:	Synonyms: TGE, Protein-glutamine gamma-glutamyltransferase E, Transglutaminase E, TG(E),
	TGase E, Transglutaminase-3, TGase-3, TGM3
	Background: Catalyzes the calcium-dependent formation of isopeptide cross-links between
	glutamine and lysine residues in various proteins, as well as the conjugation of polyamines to
	proteins. Involved in the formation of the cornified envelope (CE), a specialized component
	consisting of covalent cross-links of proteins beneath the plasma membrane of terminally
	differentiated keratinocytes. Catalyzes small proline-rich proteins (SPRR1 and SPRR2) and LOR
	cross-linking to form small interchain oligomers, which are further cross-linked by TGM1 onto
	the growing CE scaffold (By similarity). In hair follicles, involved in cross-linking structural
	proteins to hardening the inner root sheath.
Gene ID:	7053
UniProt:	Q08188
Application Details	
Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
	4 °C,-20 °C

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Handling	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Kawabe, Takano, Moriyama, Nakamura: "Transglutaminases Derived from Astrocytes Accelerate Amyloid β Aggregation." in: <b>Neurochemical research</b> , Vol. 42, Issue 8, pp. 2384-2391 , (2017) (PubMed).

# Images



## Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded : rat brain tissue labeled withRabbit Anti-TGM3 Polyclonal Antibody , Unconjugated, 1:200 followed by conjugation to the secondary antibody

## Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded mouse embryo labeled with Anti-TGM3 Polyclonal Antibody, Unconjugated (ABIN736253) at 1:200 followed by conjugation to the secondary antibody and DAB staining

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