

Datasheet for ABIN2776952

anti-TGM1 antibody (N-Term)





Overview

Quantity:	100 μL
Target:	TGM1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Guinea Pig, Horse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGM1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TGM1
Sequence:	RGSSSGTRRP GSRGSDSRRP VSRGSGVNAA GDGTIREGML VVNGVDLLSS
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against TGM1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	TGM1

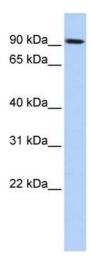
Target Details

Alternative Name:	TGM1 (TGM1 Products)
Background:	TGM1 is a membrane protein that catalyzes the addition of an alkyl group from an akylamine to
	a glutamine residue of a protein, forming an alkylglutamine in the protein. This protein alkylation
	leads to crosslinking of proteins and catenation of polyamines to proteins. This gene contains
	either one or two copies of a 22 nt repeat unit in its 3' UTR. Mutations in this gene have been
	associated with autosomal recessive lamellar ichthyosis (LI) and nonbullous congenital
	ichthyosiform erythroderma (NCIE). The protein encoded by this gene is a membrane protein
	that catalyzes the addition of an alkyl group from an akylamine to a glutamine residue of a
	protein, forming an alkylglutamine in the protein. This protein alkylation leads to crosslinking of
	proteins and catenation of polyamines to proteins. This gene contains either one or two copies
	of a 22 nt repeat unit in its 3' UTR. Mutations in this gene have been associated with autosomal
	recessive lamellar ichthyosis (LI) and nonbullous congenital ichthyosiform erythroderma
	(NCIE). Publication Note: This RefSeq record includes a subset of the publications that are
	available for this gene. Please see the Entrez Gene record to access additional publications.
	Alias Symbols: ICR2, KTG, LI, LI1, TGASE, TGK
	Protein Interaction Partner: BMI1, SNCA, UBC, Ttk, HSPB1, RARRES3, SEMG2, SEMG1, MDK,
	Protein Size: 817
Molecular Weight:	90 kDa
Gene ID:	7051
NCBI Accession:	NM_000359, NP_000350
UniProt:	P22735
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 817 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-TGM1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Transfected 293T