

## Anti-TGM7 Antibody

Catalog Number: A18282

### About TGM7

Transglutaminases (TGM) are a family of structurally and functionally related Ca<sup>2+</sup>-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.

### Overview

Product Name	Anti-TGM7 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-TGM7 Antibody (Catalog # A18282). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	TGM7 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96PF1

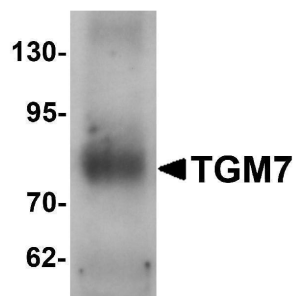
### Technical Details

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.
Predicted Reactive Species	Rat
Cross Reactivity	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.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TGM7 Antibody is affinity chromatography purified via peptide column.

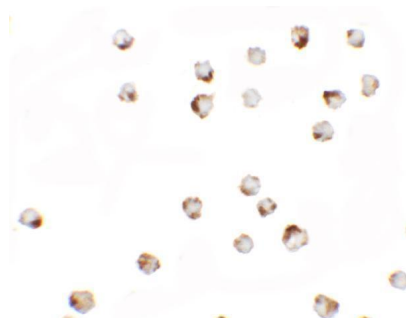
Suggested Dilutions

TGM7 antibody can be used for detection of TGM7 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 10 ug/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. Optimal dilutions for each application should be determined by the researcher.

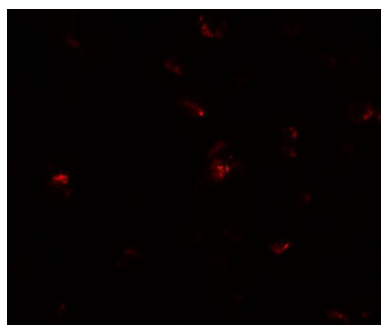
## Anti-TGM7 Antibody (A18282) Images



Western blot analysis of TGM7 in human lung tissue lysate with TGM7 antibody at 1 ug/mL.



Immunocytochemistry of TGM7 in A549 cells with TGM7 antibody at 2.5 ug/mL.



Immunofluorescence of TGM7 in A549 cells with TGM7 antibody at 10 ug/mL.

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Anti-TGM7 Antibody

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