

Datasheet for ABIN1109303

anti-Transglutaminase 2 antibody



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1 Publication

Overview

Quantity:	0.1 mg
Target:	Transglutaminase 2 (TGM2)
Reactivity:	Human, Guinea Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Transglutaminase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Clone:	7D2
Isotype:	IgG3
Cross-Reactivity (Details):	Species reactivity (tested):Human, Guinea Pig.
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	Transglutaminase 2 (TGM2)
Alternative Name:	Transglutaminase-2 (TGM2 Products)
Background:	Transglutaminase II catalyzes calcium-dependent post-translational modification of proteins by formation of an isopeptide bond within or between polypeptide chains. It is also known as TGC, tTG, type II-, Gh, cytosolic-, liver-, endothelial-, erythrocyte-, cellular-transglutaminase. Different

Target Details

tissues and cell types express varying amounts of tissue transglutaminase with a markedly high expression in rheumatoid lesions. It is implicated in programmed cell death, signal transduction, drug-resistance, cell growth, endocytosis, insulin secretion, cell adhesion, cataract formation, and wound healing.

Pathways: [Tube Formation](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

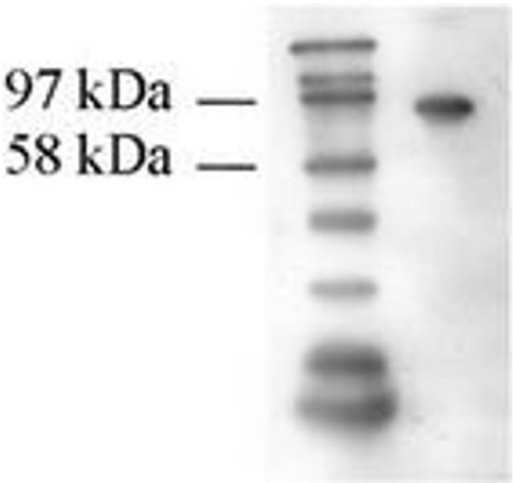
Reconstitution: Restore in distilled water.

Buffer: 0.1 M Tris, 0.1 M Glycine and 2 % Sucrose, None

Publications

Product cited in: Maffei, Laverrière, Wu, Triboulet, Perrinet, Duchateau, Matondo, Hollis, Gourley, Rupp, Keillor, Subtil: "Infection-driven activation of transglutaminase 2 boosts glucose uptake and hexosamine biosynthesis in epithelial cells." in: **The EMBO journal**, Vol. 39, Issue 8, pp. e102166, (2020) ([PubMed](#)).

Images



Western Blotting

Image 1.