

# Product Datasheet

## Transglutaminase 2/TGM2 Antibody (CUB7402) NBP2-26458

Unit Size: 0.25 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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**NBP2-26458****Transglutaminase 2/TGM2 Antibody (CUB7402)**

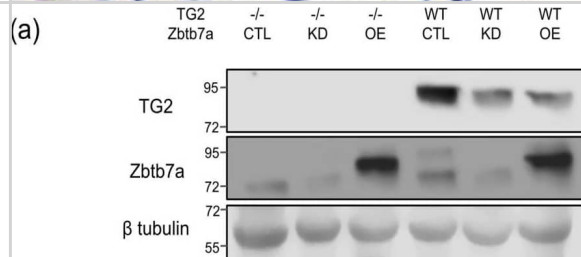
<b>Product Information</b>	
<b>Unit Size</b>	0.25 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CUB7402
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS (pH 7.4), 0.2% BSA, Tween-20
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Transglutaminase 2/TGM2 Antibody (CUB7402) (NBP2-26458) is a monoclonal antibody validated for use in IHC and IP. Anti-Transglutaminase 2/TGM2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	7052
<b>Gene Symbol</b>	TGM2
<b>Species</b>	Human, Guinea Pig
<b>Immunogen</b>	BALB/C mice were injected with purified guinea pig liver TGase II.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:50-1:75, Immunohistochemistry-Paraffin 1:50-1:75
<b>Application Notes</b>	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT.

## Images

Immunohistochemistry-Paraffin: Transglutaminase 2/TGM2 Antibody (CUB7402) [NBP2-26458] - Formalin fixed paraffin embedded breast carcinoma stained with Transglutaminase 2/TGM2 antibody (NBP2-26458).



Manipulating the expression of Zbtb7a in WT and TG2<sup>-/-</sup> astrocytes differentially impacts morphology. (a) Immunoblots showing knockdown (KD) or overexpression (OE) of Zbtb7a, compared to control (CTL), in WT and TG2<sup>-/-</sup> astrocytes. Since the Zbtb7a OE virus encodes human Zbtb7a, the Zbtb7a bands in these samples migrated slightly faster than bands in the CTL and KD samples from mouse astrocytes. (b) Representative images of the astrocyte GFAP network in the different conditions (scale bar = 20  $\mu$ m) and (c) Quantitation of GFAP network area ( $n = 34-50$  astrocytes per condition from two independent biological replicates, Two-way ANOVA \*  $p < 0.05$ , \*\*\*  $p < 0.001$ ). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37047031>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Emerson J, Delgado T, Girardi P, Johnson GV Deletion of transglutaminase 2 from astrocytes significantly improves their ability to promote neurite outgrowth on an inhibitory matrix bioRxiv : the preprint server for biology 2023-02-06 [PMID: 36798305] (IP, Mouse)



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### **Products Related to NBP2-26458**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-52044-0.1mg	Recombinant Mouse Transglutaminase 2/TGM2 His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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