

Product Datasheet

tdTomato Antibody (OT12H2)

NBP2-78136

Unit Size: 100 ul

Store at -20 degrees C. Avoid freeze/thaw cycles.

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NBP2-78136

tdTomato Antibody (OTI2H2)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at -20 degrees C. Avoid freeze/thaw cycles.
Clonality	Monoclonal
Clone	OTI2H2
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS, pH 7.3, 1% BSA, 50% glycerol
Target Molecular Weight	54.2 kDa

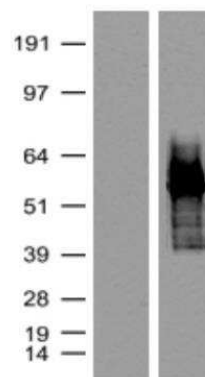
Product Description	
Description	Novus Biologicals Mouse tdTomato Antibody (OTI2H2) (NBP2-78136) is a monoclonal antibody validated for use in WB. Anti-tdTomato Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Non-species specific
Specificity/Sensitivity	This antibody also recognizes Timer(switchable) protein.
Immunogen	Raised against a recombinant protein and recognizes tdTomato.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:2000

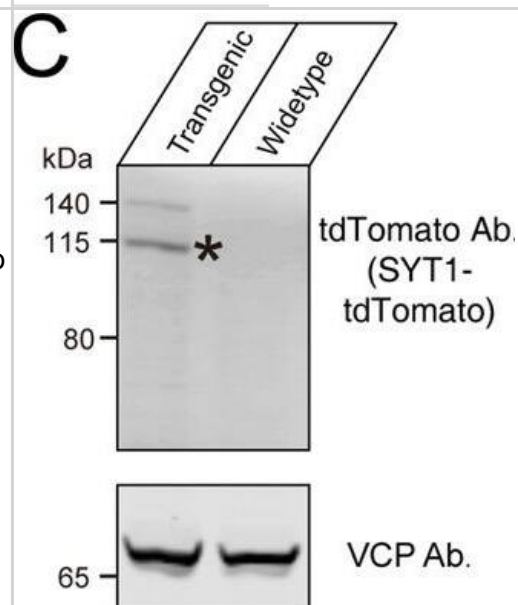


Images

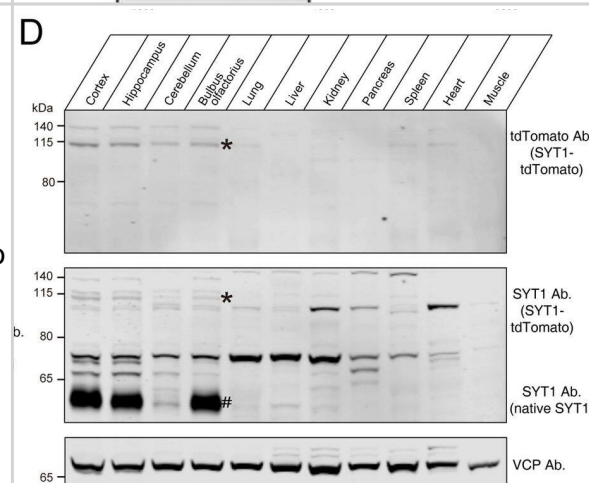
Western Blot: tdTomato Antibody (OTI2H2) [NBP2-78136] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY tdTomato (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-tdTomato (1:2000).



Construction of tdTomato-fused synaptotagmin-1 (Syt1-tdTomato) expression vector and transgenic fluorescent mice. (A) Schematic diagram of expression vector for generating Syt1-tdTomato transgenic mice. (B) The expression vector was digested by restriction enzymes for confirmation purposes. The size of enzyme digestion band (kb): (left) Aval: 4.7/1.7/0.7/0.5; (middle) AflIII/NcoI: 4.0/1.3/1.1/0.7/0.4/0.2; (right) NotI: 7.6. (C) Immunoblot analysis of protein in transgenic and wild-type mice brain. Equivalent amounts of protein were probed with antibodies to tdTomato and vasolin-containing protein (VCP, used as a loading control). (D) Immunoblot analysis of the expression of the transgenic protein in different tissues of Syt1-tdTomato transgenic mice. Equivalent amounts of protein were examined by immunoblotting with antibodies to tdTomato, SYT1, and VCP. Asterisk shows the band of SYT1-tdTomato and the hash shows the band of native SYT1. Figure 1—source data 1. The original gel of panels B, C and D. The original gel of panels B, C and D. Image collected and cropped by CiteAb from the following open publication (<https://elifesciences.org/articles/81884>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Construction of tdTomato-fused synaptotagmin-1 (Syt1-tdTomato) expression vector and transgenic fluorescent mice. (A) Schematic diagram of expression vector for generating Syt1-tdTomato transgenic mice. (B) The expression vector was digested by restriction enzymes for confirmation purposes. The size of enzyme digestion band (kb): (left) Aval: 4.7/1.7/0.7/0.5; (middle) AflIII/NcoI: 4.0/1.3/1.1/0.7/0.4/0.2; (right) NotI: 7.6. (C) Immunoblot analysis of protein in transgenic and wild-type mice brain. Equivalent amounts of protein were probed with antibodies to tdTomato and vasolin-containing protein (VCP, used as a loading control). (D) Immunoblot analysis of the expression of the transgenic protein in different tissues of Syt1-tdTomato transgenic mice. Equivalent amounts of protein were examined by immunoblotting with antibodies to tdTomato, SYT1, and VCP. Asterisk shows the band of SYT1-tdTomato and the hash shows the band of native SYT1. Figure 1—source data 1. The original gel of panels B, C and D. The original gel of panels B, C and D. Image collected and cropped by CiteAb from the following open publication (<https://elifesciences.org/articles/81884>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Yang L, Zhang J, Liu S et Al. Establishment of transgenic fluorescent mice for labeling synapses and screening synaptogenic adhesion molecules Elife 2024-03-07 [PMID: 38450720]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-78136

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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