

# Product Datasheet

## TSPAN7/TM4SF2 Antibody (CL0262) - BSA Free NBP2-52894

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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Updated 12/2/2025 v.20.1

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**NBP2-52894**

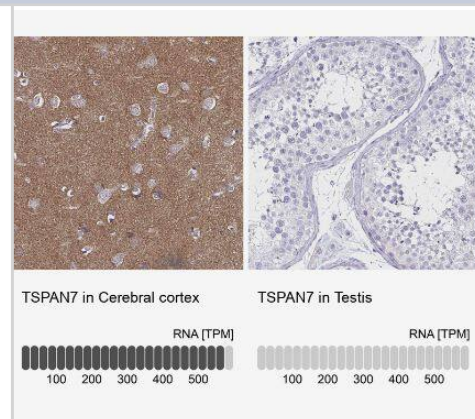
TSPAN7/TM4SF2 Antibody (CL0262) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL0262
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse TSPAN7/TM4SF2 Antibody (CL0262) - BSA Free (NBP2-52894) is a monoclonal antibody validated for use in IHC and WB. Anti-TSPAN7/TM4SF2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	7102
<b>Gene Symbol</b>	TSPAN7
<b>Species</b>	Human
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
<b>Immunogen</b>	This antibody was developed using a recombinant protein derived from P41732, with the exact immunogen sequence remaining proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

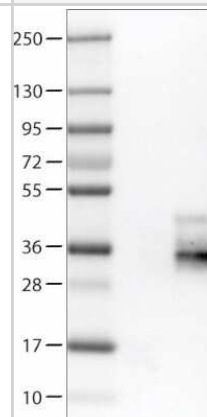


## Images

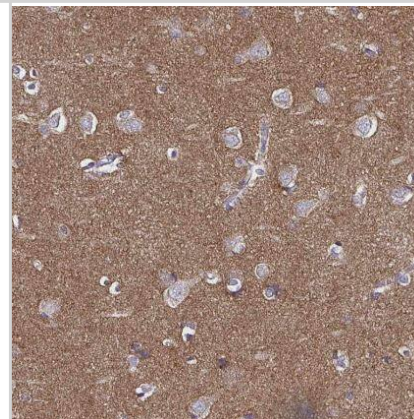
Immunohistochemistry-Paraffin: TSPAN7/TM4SF2 Antibody (CL0262) [NBP2-52894] - Analysis in human cerebral cortex and testis tissues using NBP2-52894 antibody. Corresponding TSPAN7 RNA-seq data are presented for the same tissues.



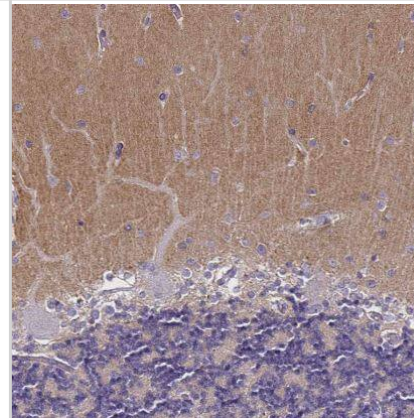
Western Blot: TSPAN7/TM4SF2 Antibody (CL0262) [NBP2-52894] - Lane 1: Marker [kDa], Lane 2: Negative control (vector only transfected HEK293T lysate), Lane 3: TSPAN7 Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)



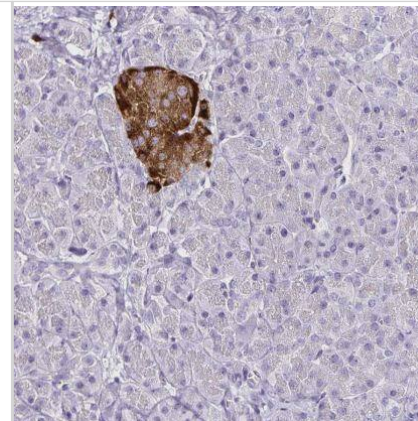
Immunohistochemistry-Paraffin: TSPAN7/TM4SF2 Antibody (CL0262) [NBP2-52894] - Staining of human cerebral cortex shows moderate positivity in neuropil.



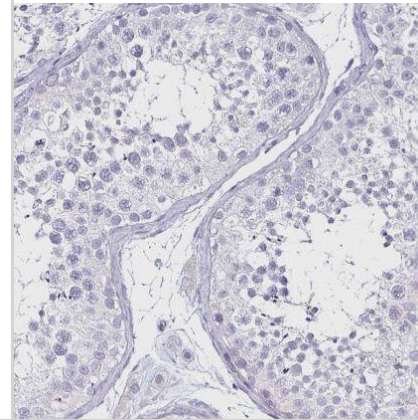
Immunohistochemistry-Paraffin: TSPAN7/TM4SF2 Antibody (CL0262) [NBP2-52894] - Staining of human cerebellum shows moderate positivity in neuropil.



Immunohistochemistry-Paraffin: TSPAN7/TM4SF2 Antibody (CL0262) [NBP2-52894] - Staining of human pancreas shows moderate to strong cytoplasmic positivity in islets of Langerhans.



Immunohistochemistry-Paraffin: TSPAN7/TM4SF2 Antibody (CL0262) [NBP2-52894] -Staining of human testis shows no positivity in cells in seminiferous ducts as expected.



## Publications

Dickerson MT, Dadi PK, Butterworth RB et al. Tetraspanin-7 regulation of L-type voltage-dependent calcium channels controls pancreatic beta-cell insulin secretion J. Physiol. (Lond.) 2020-08-13 [PMID: 32790176]



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### **Products Related to NBP2-52894**

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NBP2-52894PEP	TSPAN7/TM4SF2 Recombinant Protein Antigen
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]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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