

# Product Datasheet

## TSPAN7/TM4SF2 Antibody - BSA Free NBP1-90310

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: 5

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**NBP1-90310**

TSPAN7/TM4SF2 Antibody - BSA Free

Product Information	
<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>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

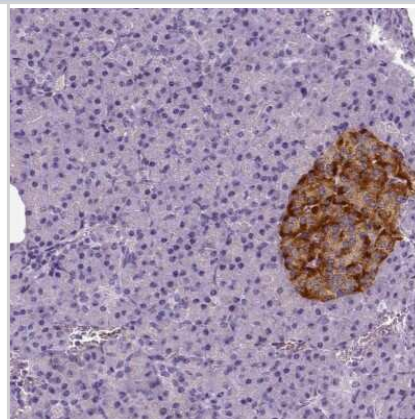
Product Description	
<b>Description</b>	Novus Biologicals Rabbit TSPAN7/TM4SF2 Antibody - BSA Free (NBP1-90310) is a polyclonal antibody validated for use in IHC and WB. Anti-TSPAN7/TM4SF2 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7102
<b>Gene Symbol</b>	TSPAN7
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: TFLRITYTDAMQTYNGNDERSRAVDHVQRSLSCCGVQNYTNWSTSPYFLEHGI PPSCCMNETDCNPQDLHNLVAATKVNQKGCYDLVTSFMET

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

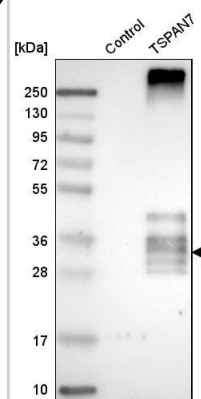


## Images

Immunohistochemistry-Paraffin: TSPAN7/TM4SF2 Antibody [NBP1-90310] - Staining of human pancreas shows strong cytoplasmic positivity in islets of Langerhans.



Analysis in control (vector only transfected HEK293T lysate) and tSPAN7 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



## 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]

Lang C, Campbell KR, Ryan BJ et al. Single-Cell Sequencing of iPSC-Dopamine Neurons Reconstructs Disease Progression and Identifies HDAC4 as a Regulator of Parkinson Cell Phenotypes. *Cell Stem Cell* 2019-01-03 [PMID: 30503143] (WB, Human)

Wuttig D, Zastrow S, Fussel S et al. CD31, EDNRB and TSPAN7 are promising prognostic markers in clear-cell renal cell carcinoma revealed by genome-wide expression analyses of primary tumors and metastases. *Int J Cancer* 2012-09-01 [PMID: 22213152]

Lindskog C, Asplund A, Engkvist M et al. Antibody-based proteomics for discovery and exploration of proteins expressed in pancreatic islets. *Discov Med* 2010-06-01 [PMID: 20587347]

Ponten F, Jirstrom K, Uhlen M. The Human Protein Atlas--a tool for pathology. *J Pathol* 2008-12-01 [PMID: 18853439]



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### **Products Related to NBP1-90310**

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NBP1-90310PEP	TSPAN7/TM4SF2 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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