

Product Datasheet

TMPRSS2 Antibody (7B9W3)

NBP3-00492-100ul

Unit Size: 100 ul

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

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NBP3-00492-100ul

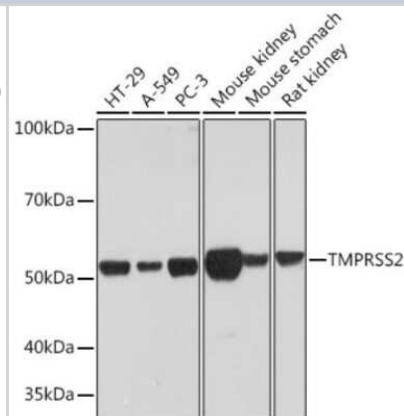
TMPRSS2 Antibody (7B9W3)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20 degrees C. Avoid freeze/thaw cycles.
Clonality	Monoclonal
Clone	7B9W3
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS with 0.05% BSA, 50% glycerol, pH7.3.
Target Molecular Weight	53.9 kDa
Product Description	
Host	Rabbit
Gene ID	7113
Gene Symbol	TMPRSS2
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human TMPRSS2 (O15393). MALNSGSPPAIGPYYENHGYQPENPYPAQPTVVPTVYEVHPAQYYPSPVPQY APRVLTQASNPVVCTQPKSPSGTVCTSKTKKALCITLTLGTFLVGAAL
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	Use in WB reported in scientific literature (PMID:34523264).

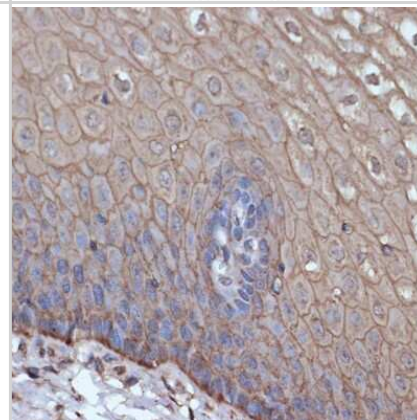


Images

Western Blot: TMPRSS2 Antibody (7B9W3) [NBP3-00492] - Analysis of extracts of various cell lines, using TMPRSS2 Rabbit mAb at 1:1000 dilution. Secondary antibody: HRP Goat AntiRabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL. Exposure time: 3min.



Immunohistochemistry-Paraffin: TMPRSS2 Antibody (7B9W3) [NBP3-00492] - Human esophageal using TMPRSS2 Rabbit mAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Publications

Prieto-Fernandez E, Egia-Mendikute L, Vila-Vecilla L, et al. Hypoxia reduces cell attachment of SARS-CoV-2 spike protein by modulating the expression of ACE2 and heparan sulfate *Emerg Microbes Infect* 2021-05-20 [PMID: 34013835]

Bhardwaj V, Dela Cruz M, Subramanyam D et al. Exercise-induced myokines downregulates the ACE2 level in bronchial epithelial cells: Implications for SARS-CoV-2 prevention *PloS one* Jul 20 2022 12:00AM [PMID: 35857747]

Vitale-Cross L, Szalayova I, Scoggins A et al. SARS-CoV-2 entry sites are present in all structural elements of the human glossopharyngeal and vagal nerves: Clinical implications *EBioMedicine* Apr 1 2022 12:00AM [PMID: 35390636] (IHC-P, Human)

Tamura Y, Jee E, Kouzaki K et al. Effects of endurance training on the expression of host proteins involved in SARS-CoV-2 cell entry in C57BL/6J mouse *Physiological reports* Sep 1 2021 12:00AM [PMID: 34523264] (WB, Mouse)



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Products Related to NBP3-00492-100ul

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007113-Q01-10ug	Recombinant Human TMPRSS2 GST (N-Term) Protein

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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