

Product Datasheet

TMEM164 Antibody - BSA Free

NBP1-93939

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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NBP1-93939

TMEM164 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

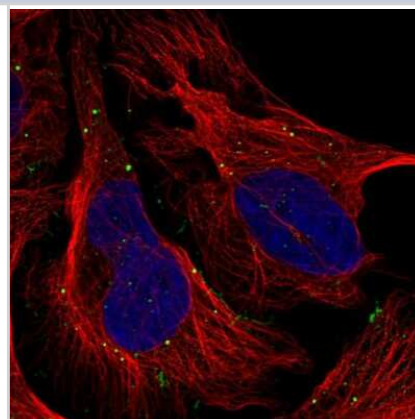
Host	Rabbit
Gene ID	84187
Gene Symbol	TMEM164
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MSRYSYQSLLDWLYGGVDPSFAGNGGPDCAAFLSWQQR

Product Application Details

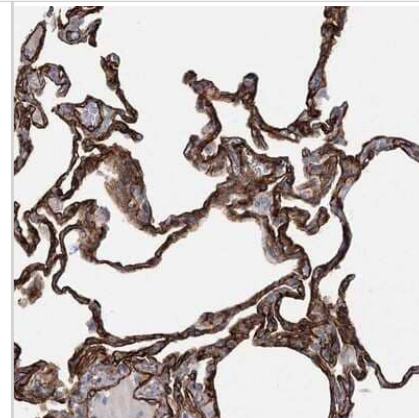
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in PMID (35947500), Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

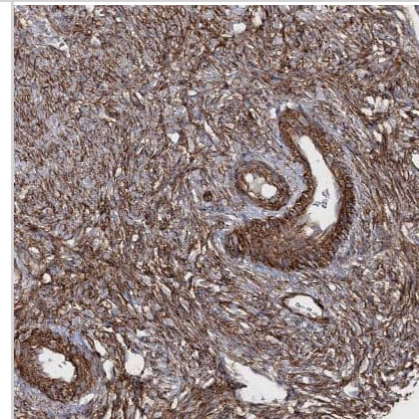
Immunocytochemistry/Immunofluorescence: TMEM164 Antibody [NBP1-93939] - Immunofluorescent staining of human cell line U-2 OS shows localization to cell junctions & vesicles.



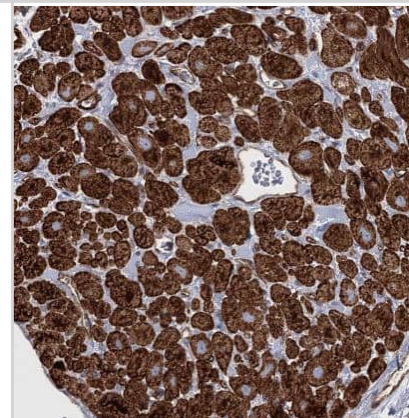
Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human lung shows strong cytoplasmic and membranous positivity in alveolar cells.



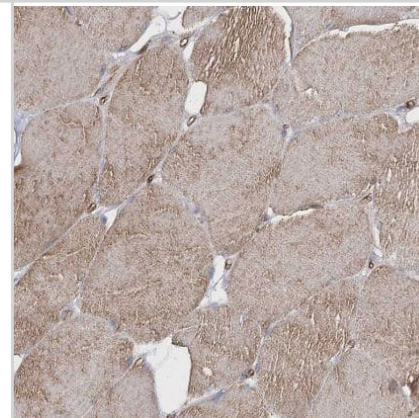
Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human Ovary shows strong membranous positivity in follicle and stromal cells.



Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human Heart muscle shows strong cytoplasmic and membranous positivity in cardiomyocytes.



Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human Skeletal muscle shows moderate cytoplasmic positivity in myocytes.



Publications

Zhang L, Jia Z, Wu Q et al. Alleviating symptoms of neurodegenerative disorders by astrocyte-specific overexpression of TMEM164 in mice *Nature metabolism* 2023-09-07 [PMID: 37679556]

Liu J, Liu Y, Wang Y et al. TMEM164 is a new determinant of autophagy-dependent ferroptosis *Autophagy* 2022-08-22 [PMID: 35947500] (WB)



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Products Related to NBP1-93939

NBP1-93939PEP	TMEM164 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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