

Product Datasheet

PIEZO2 Antibody NBP1-89892

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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NBP1-89892**PIEZO2 Antibody****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

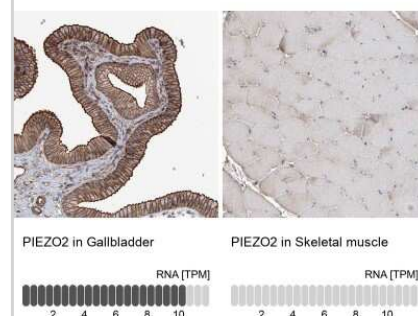
Host	Rabbit
Gene ID	63895
Gene Symbol	PIEZO2
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (81%). Reactivity reported in scientific literature (PMID: 24662763)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KPVTDEAAQSNPEFENEELAEGEKIDSEEALIYEEDFNGGDGVEGELEESTKLK MFRRLASVASKLK

Product Application Details

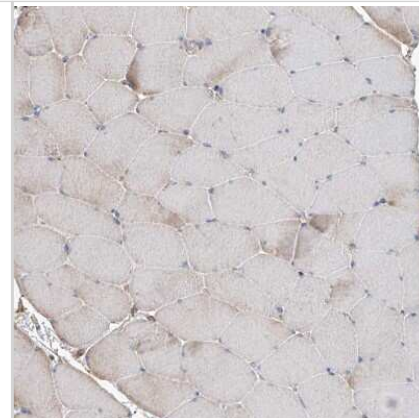
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

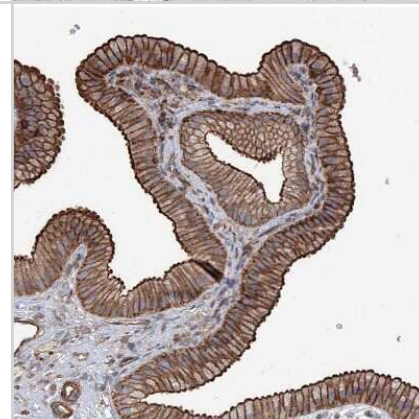
Immunohistochemistry-Paraffin: PIEZO2 Antibody [NBP1-89892] - Analysis in human gallbladder and skeletal muscle tissues. Corresponding PIEZO2 RNA-seq data are presented for the same tissues.



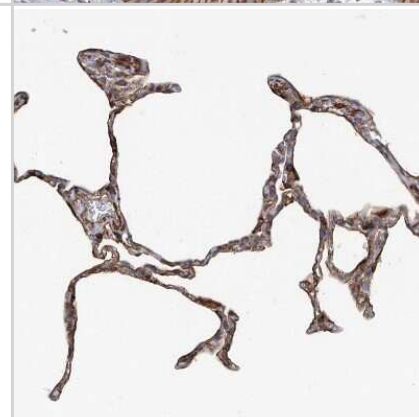
Immunohistochemistry-Paraffin: PIEZO2 Antibody [NBP1-89892] - Staining of human skeletal muscle shows low positivity in myocytes as expected.



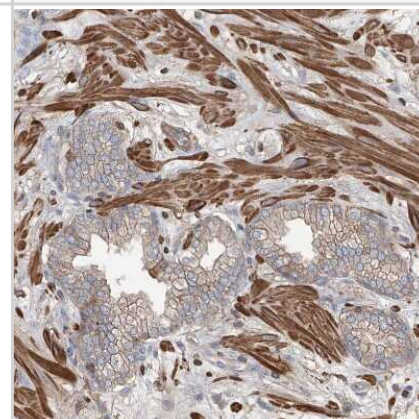
Immunohistochemistry-Paraffin: PIEZO2 Antibody [NBP1-89892] - Staining of human gallbladder shows strong membranous positivity in glandular cells.



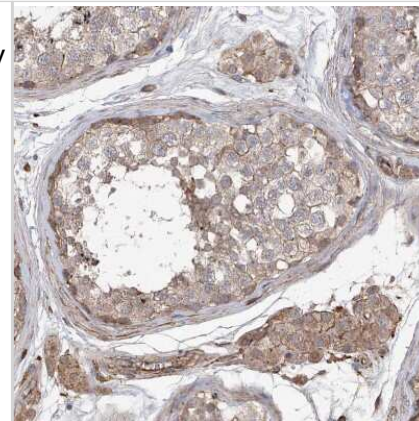
Immunohistochemistry-Paraffin: PIEZO2 Antibody [NBP1-89892] - Staining of human lung shows strong membranous positivity in pneumocytes.



Immunohistochemistry-Paraffin: PIEZO2 Antibody [NBP1-89892] - Staining of human prostate shows strong membranous positivity in smooth muscle cells and weak in glandular cells..



Immunohistochemistry-Paraffin: PIEZO2 Antibody [NBP1-89892] - Staining of human testis shows weak to moderate membranous positivity in Leydig cells and cells in seminiferous ducts.



Publications

Poole K, Herget R, Lapatsina L et al. Tuning Piezo ion channels to detect molecular-scale movements relevant for fine touch. Nat Commun 2014-03-24 [PMID: 24662763]



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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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