Product Datasheet

Fibroblasts Antibody (TE-7)
NBP2-50082

Unit Size: 50 ug

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

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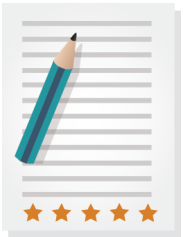
Reviews: 1 Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-50082

Updated 10/23/2024 v.20.1



NBP2-50082

Fibroblasts Antibody (TE-7)

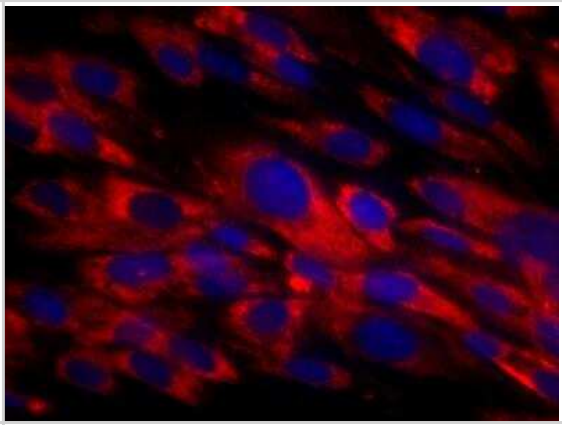
Product Information	
Unit Size	50 ug
Concentration	0.1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	TE-7
Preservative	0.07% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS with 1 mg/ml BSA

Product Description	
Host	Mouse
Species	Human
Specificity/Sensitivity	The antibody reacts with fibroblasts in tissue as well as cultured fibroblasts. On skin sections the antibody reacts with stratum basal epidermal cells. The antigen defined by antibody TE-7 appears to be a marker for mesodermally dervied (mesenchymal) human connective tissue and tumors derived from such tissue, e.g. fibrosarcomas (Haynes, B.F., et al. (1984). J. Exp. Med. 159(4):1149-1168). The antibody is useful for the assessment of thymic epithelial culture contamination with fibroblasts, and the identification of cells of mesodermal origin in the fetus.
Immunogen	Whole human thymic stoma cells (Haynes, B.F., et al. (1984). J. Exp. Med. 159 (4):1149-1168).

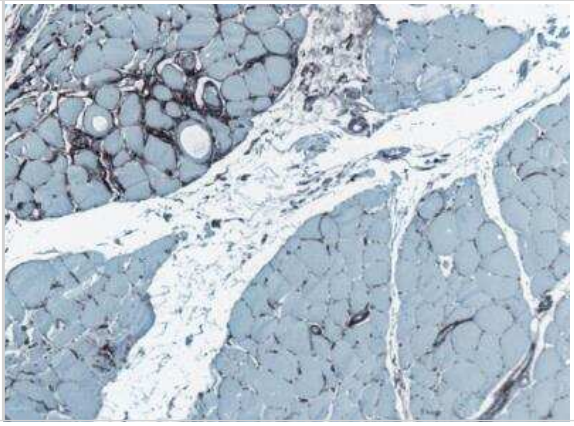
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:200, Immunohistochemistry-Paraffin

Images

Immunocytochemistry/Immunofluorescence: Fibroblasts Antibody (TE-7) [NBP2-50082] - MRC-5 human embryonic lung fibroblast cell line, fixation with PFA 4%, blocking with PBS 1X + 1% BSA + 0.1% Tween, primary antibody used at 1:50 in blocking buffer, O/N. Secondary antibody: goat anti mouse Alexa Fluor 594 for 1 hour at RT. Signal was detected by fluorescence microscopy at 40X. This image was submitted via customer review.



Immunohistochemistry-Paraffin: Fibroblasts Antibody (TE-7) [NBP2-50082] - Paraffin-embedded gastrocnemius section from a patient with myopathic condition was performed overnight at 4 degrees C using 10 ug/mL.



Publications

Alexander Laure, Angelica Rigutto, Michaela B. Kirschner, Lennart Opitz, Linda Grob, Isabelle Opitz, Emanuela Felley-Bosco, Stefanie Hiltbrunner, Alessandra Curioni-Fontecedro, Charles B. Simone Genomic and Transcriptomic Analyses of Malignant Pleural Mesothelioma (MPM) Samples Reveal Crucial Insights for Preclinical Testing Cancers 2023-05-18 [PMID: 37345150]

Sulaiman R, De P, Aske JC et al. Tumor-TME Bipartite Landscape of PD-1/PD-L1 in Endometrial Cancers International journal of molecular sciences 2023-07-04 [PMID: 37446260] (ICC/IF, Human)

Sulaiman R, De P, Aske JC et al. Characterization and Clinical Relevance of Endometrial CAFs: Correlation between Post-Surgery Event and Resistance to Drugs International journal of molecular sciences 2023-03-29 [PMID: 37047422] (ICC/IF, Human)

Shen M, Zhao SR, Khokhar Y et al. Protocol to generate cardiac pericytes from human induced pluripotent stem cells STAR protocols 2023-04-27 [PMID: 37119139] (IHC, Human)

Sulaiman R, De P, Aske J et al. Patient-Derived Primary Cancer-Associated Fibroblasts Mediate Resistance to Anti-Angiogenic Drug in Ovarian Cancers Biomedicines 2023-01-01 [PMID: 36672620] (IHC, ICC/IF, Human)

Details:
Intracellular Flow

Sgarminato V, Madrid-Wolff J, Boniface A et al. Tomographic volumetric bioprinting of 3D pancreatic cancer models bioRxiv 2023-01-24

Whitehead AJ, Hocker JD, Ren B, Engler AJ Improved epicardial cardiac fibroblast generation from iPSCs Journal of molecular and cellular cardiology 2021-11-24 [PMID: 34826415] (ICC/IF, Human)

Calabrese D, Roma G, Bergling S et al. Liver biopsy derived induced pluripotent stem cells provide unlimited supply for the generation of hepatocyte-like cells PLoS One. 2019-01-01 [PMID: 31465481] (ICC/IF, Human, Mouse)

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Products Related to NBP2-50082

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations
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