

Product Datasheet

Collagen V Antibody NBP1-19633

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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NBP1-19633

Collagen V Antibody

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2)
Target Molecular Weight	180 kDa
Product Description	
Host	Rabbit
Gene ID	1289
Gene Symbol	COL5A1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide, corresponding to amino acids 300-350 of Human COL5A1.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen
Application Notes	Western blot (WB) analysis of COL5A1 (E325) pAb in extracts from HeLa cells. Immunohistochemistry (IHC) analyzes of COL5A1 (E325) pAb in paraffin-embedded human heart tissue. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24800655). Use in Immunohistochemistry-Frozen reported in scientific literature (PMID 26220971)



Publications

Zaffiri L, Shah RJ, Stearman RS et al. Collagen type-V is a danger signal associated with primary graft dysfunction in lung transplantation *Transpl. Immunol.* 2019-07-17 [PMID: 31325493] (FLOW, Mouse)

Makuszevska M, Bonda T, Cieslinska M et al. Expression of collagens type I and V in healing rat's tympanic membrane *Int. J. Pediatr. Otorhinolaryngol.* 2018-12-18 [PMID: 30590281] (WB, Rat)

Papke CL, Tsunozumi J, Ringuette LJ et al. Loss of fibulin-4 disrupts collagen synthesis and maturation: implications for pathology resulting from EFEMP2 mutations. *Hum. Mol. Genet.* 2015-07-28 [PMID: 26220971] (IHC-Fr, Mouse)

Herchenhan A, Uhlenbrock F, Eliasson P et al. Lysyl Oxidase activity is required for ordered collagen fibrillogenesis by tendon cells. *J. Biol. Chem.* 2015-05-15 [PMID: 25979340] (WB, Human)

Details:

Tenascin X antibody was used at 1:500 dilution with ON 4C incubation for WB detection of established collagen fibrillogenesis regulator Tenascin X protein on samples from the control or beta-aminopropionitrile /BAPN treated tendon constructs which were prepared using tendon fibroblasts isolated from human semitendinosus and gracilis tendon of human anterior cruciate ligament/ACL rupture patients undergoing reconstructive surgery. See the full text for protocol related details and the data is shown in FIGURE 7A.

Karamichos D, Hutcheon AE, Zieske JD. Reversal of fibrosis by TGF-beta3 in a 3D in vitro model. *Exp. Eye Res.* 2014-05-04 [PMID: 24800655] (ICC/IF, Human)

Karamichos D, Rich CB, Zareian R et al. TGF-beta3 Stimulates Stromal Matrix Assembly by Human Corneal Keratocyte-Like Cells. *Invest Ophthalmol Vis Sci.* 2013-10-09 [PMID: 24022012]





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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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