

Product Datasheet

Collagen V Antibody (1E2-E4/Col5) - BSA Free NBP1-05118

Unit Size: 100 ug

Store at 4C in the dark.

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NBP1-05118

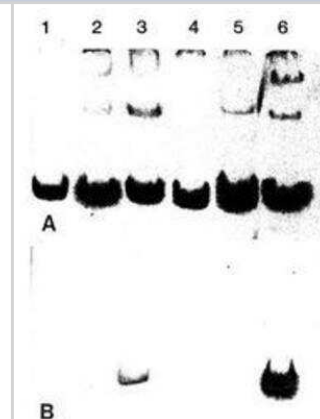
Collagen V Antibody (1E2-E4/Col5) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1E2-E4/Col5
Preservative	0.9% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl
Product Description	
Host	Mouse
Gene ID	1289
Gene Symbol	COL5A1
Species	Human, Porcine, Bovine, Canine, Kangaroo, Rabbit, Sheep, Chicken (Negative), Guinea Pig (Negative), Mouse (Negative), Rat (Negative)
Specificity/Sensitivity	Highly specific for type V collagen. It has been shown to have no cross-reactivity with type I, III and VI collagens by ELISA and immunoblotting. There is no evidence for cross-reactivity with other connective tissue proteins (laminin, fibronectin, elastin).
Immunogen	Acid-digested pepsin soluble dog type V collagen
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:50, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	ELISA: NBP1-05118 can be used for detection of collagens by ELISA. NBP1-05118 binds poorly to Collagen V when tested in ELISA with Collagen V coated directly onto the microtiter well. WB: In immunoblotting NBP1-05118 detects human type V collagen only in its native triple helix form. IHC: NBP1-05118 has been used successfully for immunohistology on paraffin embedded (1) and frozen unfixed sections of human (2), bovine (3) and dog (4) skin, on rabbit (1) and foetal bovine cornea (4), and of new dog tissue associated with a biomaterial implant (5). If fixation of tissue is required, acetone or ethanol is recommended.



Images

Western Blot: Collagen V Antibody (1E2-E4/Col5) [NBP1-05118] - Staining with 1E2-E4/Col5 on Dog Type I, III, V and Human Type I, III, and V in rows 1-6 respectively. (1. Werkmeister)



Publications

Velez CL. Integrinas y su regulacion por el sistema inmune durante la gestacion porcina. Thesis. 2017-01-01 (Porcine)

Werkmeister J Ramshaw J. Monoclonal antibodies to Type V Collagen for Immunohistological Examination of New Tissue Deposition Associated with Biomaterial Implants. J Histochemistry and Cytochemistry. 1991-01-01 [PMID: 1918939]



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Products Related to NBP1-05118

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-97269	Collagen V Native 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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