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COL9A3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20102c

Product Information

Application	WB, E
Primary Accession	Q14050
Other Accession	NP_001844.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42519
Calculated MW	63616
Antigen Region	501-528

Additional Information

Gene ID	1299
Other Names	Collagen alpha-3(IX) chain, COL9A3
Target/Specificity	This COL9A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 501-528 amino acids from the Central region of human COL9A3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	COL9A3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	COL9A3
Function	Structural component of hyaline cartilage and vitreous of the eye.
Cellular Location	Secreted, extracellular space, extracellular matrix

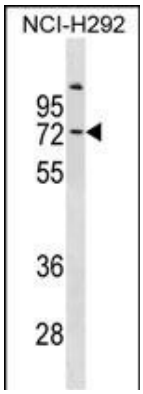
Background

This gene encodes one of the three alpha chains of type IX collagen, the major collagen component of hyaline cartilage. Type IX collagen, a heterotrimeric molecule, is usually found in tissues containing type II collagen, a fibrillar collagen. Mutations in this gene are associated with multiple epiphyseal dysplasia type 3.

References

Jackson, G.C., et al. Am. J. Med. Genet. A 152A (4), 863-869 (2010) :
Videman, T., et al. Arthritis Rheum. 60(2):470-481(2009)
Karppinen, J., et al. Spine 33(11):1236-1241(2008)
Decramer, S., et al. World J Urol 25(5):457-465(2007)
Virtanen, I.M., et al. Spine 32(10):1129-1134(2007)

Images



COL9A3 Antibody (Center) (Cat. #AP20102c) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the COL9A3 antibody detected the COL9A3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.