

## COL9A3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20102c

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q14050</a>
<b>Other Accession</b>	<a href="#">NP_001844.3</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB42519
<b>Calculated MW</b>	63616
<b>Antigen Region</b>	501-528

### Additional Information

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<b>Gene ID</b>	1299
<b>Other Names</b>	Collagen alpha-3(IX) chain, COL9A3
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	COL9A3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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

## Background

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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.

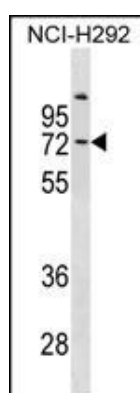
## References

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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

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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'.