

Product datasheet for **TA342822**

Collagen IX (COL9A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-COL9A1 antibody is: synthetic peptide directed towards the N-terminal region of Human COL9A1. Synthetic peptide located within the following region: GADGLTGPDGSPGSIGSKGQKGEPGVPGSRGFPGRGIPGPPGPPGTAGLP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	62 kDa
Gene Name:	collagen type IX alpha 1
Database Link:	NP_511040 Entrez Gene 1297 Human P20849



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Background:

This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. Two transcript variants that encode different isoforms have been identified for this gene.

Synonyms:

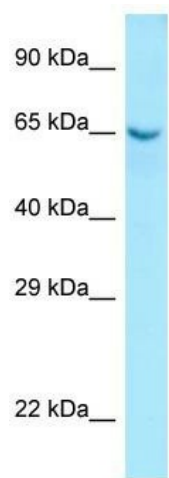
DJ149L1.1.2; EDM6; MED; STL4

Note:

Immunogen Sequence Homology: Human: 100%; Dog: 86%; Horse: 86%; Rabbit: 86%; Zebrafish: 85%; Pig: 79%; Rat: 79%; Mouse: 79%; Guinea pig: 79%

Protein Families:

Druggable Genome

Product images:

WB Suggested Anti-COL9A1 Antibody; Titration: 1.0 ug/ml; Positive Control: Fetal Small Intestine