

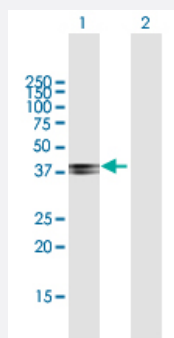
MaxPab®

COL9A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001297-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of COL9A1 expression in transfected 293T cell line ([H00001297-T01](#)) by COL9A1 MaxPab polyclonal antibody.

Lane 1: COL9A1 transfected lysate(36.08 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human COL9A1 protein.
Immunogen	COL9A1 (AAH15409.1, 1 a.a. ~ 328 a.a) full-length human protein.
Sequence	MKTCWKIPVFFFVCSFLEPWASAAVKRRRPRFPVNSNSNGGNELCPKIRIGQDDLPGFDLISQFQV DKAASRRAIQRVVGSA TLQVAYKLGNNVDFRIPTRNLYPSGLPEEYSFLTFRMTGSTLKKNNWNW QIQDSSGKEQVGKINGQTQSVVFSYKGLDGS LQTAAFSNLSSLFDSQWHKIMIGVERSSATLFVD CNRIESLPKPRGPIDIDGFAVLGKLADNPQVSVPFELQWMLIHCDPLRPRRETCHelpARITPSQT TDERGPPGEQGPPGPPGPPGVPIDGIDGDRGPKGPPGPPGAGEPGKPGAPGKPGTPGADT SP
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — COL9A1

Entrez GeneID [1297](#)

GeneBank Accession# [BC015409.1](#)

Protein Accession# [AAH15409.1](#)

Gene Name COL9A1

Gene Alias DJ149L1.1.2, EDM6, FLJ40263, MED

Gene Description collagen, type IX, alpha 1

Omim ID [120210](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations alpha 1 type IX collagen|alpha-1(IX) collagen chain|cartilage-specific short collagen|collagen IX, alpha-1 polypeptide

Disease

- [Cardiovascular Diseases](#)

- [Clubfoot](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Intervertebral Disk Displacement](#)
- [Osteoarthritis](#)
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