

Product Datasheet

Collagen II Antibody (1E1) - Azide and BSA Free H00001280-M06

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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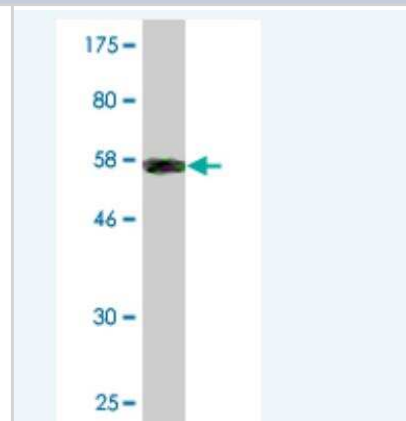
H00001280-M06

Collagen II Antibody (1E1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1E1
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	1280
Gene Symbol	COL2A1
Species	Human, Rabbit
Reactivity Notes	Use in Rabbit reported in scientific literature (PMID:34940307) .
Specificity/Sensitivity	COL2A1 - collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital) (1E1)
Immunogen	COL2A1 (AAH07252, 1 a.a. ~ 268 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSAFAGLGPREKGPDPDPLQYMRADQAAGGLRQHDAEVDATLKSLNNQIESIRS PEGSRKNPARTCRDLKLCHPEWKSGDYWIDPNQGCTLDAMKVFCNMETGET CVYPNPANVPKKNWWSSKSKEKKHIWFGETINGGFHFSYGDDNLPANTANVQ MTFLRLLSTEGSQNITYHCKNSIAYLDEAAGNLKKALLIQGSNDVEIRAEGNSRF TYTALKDGGCTKHTGKWGKTVIEYRSQKTSRLPIIDIAPMDIGGPEQEFGVDIGPV CFL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry-Paraffin
Application Notes	Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID:34940307).Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control..

Images

Western Blot: Collagen II Antibody (1E1.) [H00001280-M06] - Detection against Immunogen (55.22 KDa) .



Publications

Park S, Na JY, Gwon Y et al. Transplantable stem cell nanobridge scaffolds for accelerating articular cartilage regeneration *Biomaterials* 2023-08-22 [PMID: 37639976]

Soma H, Sakai D, Nakamura Y et al. Recombinant Laminin-511 Fragment (iMatrix-511) Coating Supports Maintenance of Human Nucleus Pulposus Progenitor Cells In Vitro *International Journal of Molecular Sciences* 2023-11-24 [PMID: 38069038]

Song L, Li X, Sun Q, Zhao Y Fxyd5 activates the NF kappa B pathway and is involved in chondrocytes inflammation and extracellular matrix degradation *Molecular medicine reports* 2022-04-01 [PMID: 35191523]

Wang G, An Y, Zhang X et al. Chondrocyte Spheroids Laden in GelMA/HAMA Hybrid Hydrogel for Tissue-Engineered Cartilage with Enhanced Proliferation, Better Phenotype Maintenance, and Natural Morphological Structure Gels (Basel, Switzerland) 2021-12-02 [PMID: 34940307] (IHC-P, Rabbit)

Shi W, Fang F, Kong Y et al. Dynamic hyaluronic acid hydrogel with covalent linked gelatin as an anti-oxidative bioink for cartilage tissue engineering *Biofabrication* 2021-12-31 [PMID: 34905737]



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Products Related to H00001280-M06

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)
NBP1-97243	Collagen II 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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