Recombinant Collagen II (COL2A1) Antibody

Rabbit Monoclonal Antibody [Clone COL2A1/8882R]

Catalog No	Format	Size
1280-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1280-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1280-RBM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

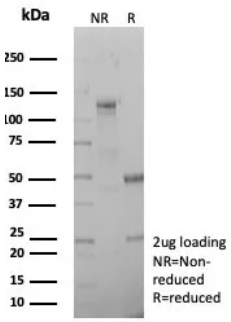
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

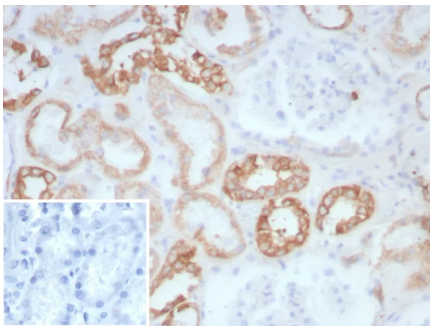
Clone	COL2A1/8882R
Immunogen	Murine Collagen II
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	141.78kDa
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	Human cartilage|lung or eye.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Collagen II (COL2A1) Antibody



SDS-PAGE Analysis of Purified COL2A Recombinant Rabbit Monoclonal Antibody (COL2A1/8882R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human kidney stained with COL2A Recombinant Rabbit Monoclonal Antibody (COL2A1/8882R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

The extensive family of COL gene products (collagens) is composed of several chain types, including fibril-forming interstitial collagens (types I, II, III and V) and basement membrane collagens (type IV), each type containing multiple isoforms. Collagens are fibrous, extracellular matrix proteins with high tensile strength and are the major components of connective tissue, such as tendons and cartilage. All collagens contain a triple helix domain and frequently show lateral self-association in order to form complex connective tissues. Several collagens also play a role in cell adhesion, important for maintaining normal tissue architecture and function. In cartilage, Collagen Type II constitutes the bulk of the fibril. Sensitization with Collagen Type II induces an erosive polyarthritis in rats, mice and higher primates which can resemble rheumatoid arthritis and relapsing polychrondritis.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.