

COL10A1 Polyclonal Antibody

Catalog No: #42129

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Description

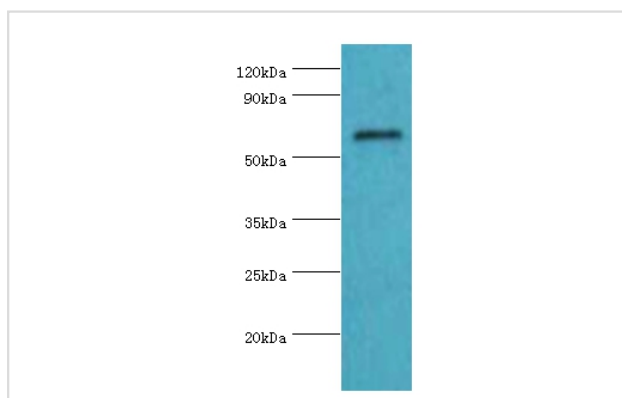
Product Name	COL10A1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total COL10A1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Collagen alpha-1(X) chain protein(521-680aa)
Target Name	COL10A1
Other Names	COL10A1
Accession No.	Swiss-Prot#: Q03692
Uniprot	Q03692
GeneID	1300;
Calculated MW	66kd
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

Application Details

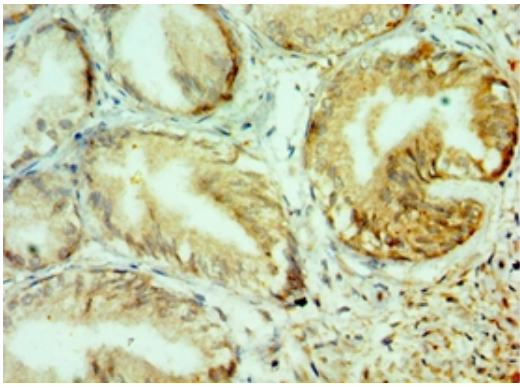
Western blotting: □ 1:500 - 1:2000

Immunohistochemistry: 1:20 - 1:200

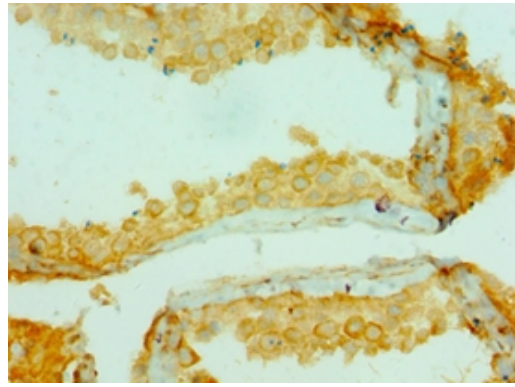
Images



All lanes: Collagen alpha-1(X) chain antibody at 4ug/ml+K562 whole cell lysate
 secondary
 Goat polyclonal to rabbit at 1/10000 dilution
 predicted band size :66kDa
 observed band size :66kDa



Immunohistochemical analysis of paraffin-embedded human prostate using #42129 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human testicle using #42129 at dilution of 1:100.

Background

Type X collagen is a product of hypertrophic chondrocytes and has been localized to presumptive mineralization zones of hyaline cartilage.

References

- [1]"Mutations of COL10A1 in Schmid metaphyseal chondrodysplasia." Bateman J.F., Wilson R., Freddi S., Lamande S.R., Savarirayan R. Hum. Mutat. 25:525-534(2005). [2]"Novel missense mutation resulting in the substitution of tyrosine by cysteine at codon 597 of the type X collagen gene associated with Schmid metaphyseal chondrodysplasia." Sawai H., Ida A., Nakata Y., Koyama K.J. Hum. Genet. 43:259-261(1998). [3]"Mutation of the type X collagen gene 'COL10A1' causes spondylometaphyseal dysplasia." Ikegawa S., Nishimura G., Nagai T., Hasegawa T., Ohashi H., Nakamura Y. Am. J. Hum. Genet. 63:1659-1662(1998).

Note: This product is for in vitro research use only