

# Product Datasheet

## COL4A6 Antibody NBP1-45231

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-45231**

COL4A6 Antibody

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

**Product Description**

<b>Description</b>	Novus Biologicals Goat COL4A6 Antibody (NBP1-45231) is a polyclonal antibody validated for use in ELISA. Anti-COL4A6 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	1288
<b>Gene Symbol</b>	COL4A6
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is expected to recognize both reported isoforms (NP_001838.2; NP_378667.1).
<b>Immunogen</b>	Peptide with sequence C-PSPEFETETLHNKES corresponding to internal region according to NP_001838.2, NP_378667.1.

**Product Application Details**

<b>Applications</b>	Peptide ELISA
<b>Recommended Dilutions</b>	Peptide ELISA Detection limit 1:32000
<b>Application Notes</b>	WB: Preliminary experiments gave an approx. 20 kDa band in human heart, kidney and skeletal muscle lysates after 0.3 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 164 kDa band according to NP_001838.2 and NP_378667.1. The 20 kDa band was successfully blocked by incubation with the immunizing peptide.

**Publications**

Hu X, Sleeman MW, Miyashita K et al. Monoclonal Antibodies That Bind to the Ly6 Domain of GPIHBP1 Abolish the Binding of LPL. J. Lipid Res. 2016-11-15 [PMID: 27875259] (Human)

Zhang X, Zhou J, Reeders ST, Tryggvason K Structure of the human type IV collagen COL4A6 gene, which is mutated in Alport syndrome-associated leiomyomatosis Genomics 1996-01-01 [PMID: 8661006]





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### **Products Related to NBP1-45231**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00001288-P01-10ug	Recombinant Human COL4A6 GST (N-Term) 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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