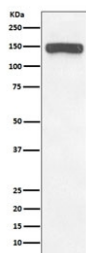


Collagen VI Antibody / COL6A1 [clone HGG-3] (RQ5382)

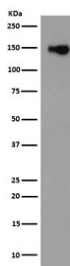
Catalog No.	Formulation	Size
RQ5382	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	HGG-3
Purity	Affinity purified
UniProt	P12109
Applications	Western Blot : 1:1000-1:2000
Limitations	This Collagen VI antibody is available for research use only.



Western blot testing of human brain lysate with Collagen VI antibody. Predicted molecular weight ~109 kDa, routinely observed at 140-150 kDa.



Western blot testing of rat kidney lysate with Collagen VI antibody. Predicted molecular weight ~109 kDa, routinely observed at 140-150 kDa.

Description

The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The alpha2(VI) and alpha3(VI) chains are encoded by the COL6A2 and COL6A3 genes, respectively. The protein encoded by this gene is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy. [RefSeq]

Application Notes

Optimal dilution of the Collagen VI antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Collagen VI / COL6A1 was used as the immunogen for the Collagen VI antibody.

Storage

Store the Collagen VI antibody at -20oC.