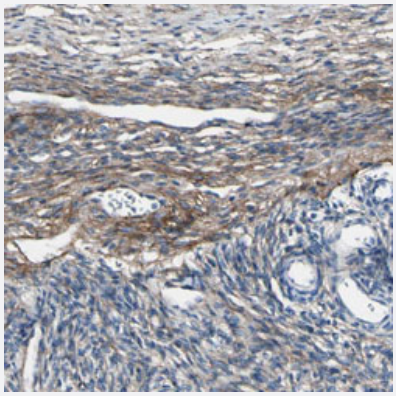
COL6A3 polyclonal antibody

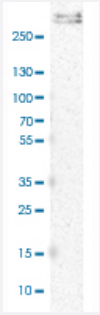
Catalog # PAB31418 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ovary with COL6A3 polyclonal antibody (Cat # PAB31418) shows moderate cytoplasmic positivity in ovarian stromal cells.



Western Blot (Cell lysate)

Western Blot analysis of U-87 MG cell lysate with COL6A3 polyclonal antibody (Cat # PAB31418).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human COL6A3.
Immunogen	Recombinant protein corresponding to human COL6A3.
Sequence	PRDLKIVVLMLTGEVPEQQLEEAQRVILQAKCKGYFFVVLGIGRKVNIKEVYTFASEPNDVFFKLVD KSTELNEEPLMRFGRLLPSFVSSENAFYLSPDIRKQCDWFQGDQPTKNLVKFGHKQVNVPNNVT SSPTSNPVTTTKPVT
Host	Rabbit
Reactivity	Human

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Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Western Blot (Cell lysate)

  Western Blot analysis of U-87 MG cell lysate with COL6A3 polyclonal antibody (Cat # PAB31418).

Gene Info — COL6A3

Entrez GeneID	1293
Protein Accession#	P12111
Gene Name	COL6A3
Gene Alias	DKFZp686D23123, DKFZp686K04147, DKFZp686N0262, FLJ34702, FLJ98399
Gene Description	collagen, type VI, alpha 3
Omim ID	120250 158810 254090
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes the alpha-3 chain, one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The alpha-3 chain of type VI collagen is much l arger than the alpha-1 and -2 chains. This difference in size is largely due to an increase in the nu mber of subdomains, similar to von Willebrand Factor type A domains, that are found in the amino terminal globular domain of all the alpha chains. These domains have been shown to bind extracel lular matrix proteins, an interaction that explains the importance of this collagen in organizing matri x components. Mutations in the type VI collagen genes are associated with Bethlem myopathy, a r are autosomal dominant proximal myopathy with early childhood onset. Mutations in this gene are also a cause of Ullrich congenital muscular dystrophy, also referred to as Ullrich scleroatonic mus cular dystrophy, an autosomal recessive congenital myopathy that is more severe than Bethlem m yopathy. Multiple transcript variants have been identified, but the full-length nature of only some of t hese variants has been described. [provided by RefSeq
Other Designations	alpha 3 type VI collagen|collagen VI, alpha-3 polypeptide

Pathway

- ECM-receptor interaction
- Focal adhesion

Disease

- Cerebral Hemorrhage
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Stroke
- Subarachnoid Hemorrhage
- Tobacco Use Disorder

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