

## Product datasheet

# Anti-Collagen V antibody ab21299

### 概述

产品名称	Anti-Collagen V抗体
描述	兔多克隆抗体to Collagen V
宿主	Rabbit
特异性	Cross-Reactivity (RIA%) Rat Collagen Type V 100% Rat Collagen Types I, III <0.1% Rat Elastin <0.1%
经测试应用	适用于: ELISA, ICC/IF, RIA
种属反应性	与反应: Rat
免疫原	Collagen type V extracted and purified from rat skin.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Buffer: Not applicable. Preservative: None
纯度	Ion Exchange Chromatography
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab21299** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		
ICC/IF		
RIA		

应用说明 ELISA: Use at >1:100-1:200 dilution.

IF: Use at an assay dependent dilution. In indirect IFA with fluorescein anti-rabbit IgG conjugate, use diluted at >1:40 on frozen rat tissue sections.

(SP)RIA: Use at an assay dependent dilution.

For immunostaining of extra or intracellular components in light microscopy. For the quantitation of Collagen Type V in biological fluids or in culture supernatants.

Each laboratory should determine an optimum working titer for use in its particular application.

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## 靶标

### 功能

Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin.

### 疾病相关

Ehlers-Danlos syndrome 1

Ehlers-Danlos syndrome 2

### 序列相似性

Belongs to the fibrillar collagen family.

Contains 1 fibrillar collagen NC1 domain.

Contains 1 laminin G-like domain.

### 结构域

The C-terminal propeptide, also known as COLFI domain, have crucial roles in tissue growth and repair by controlling both the intracellular assembly of procollagen molecules and the extracellular assembly of collagen fibrils. It binds a calcium ion which is essential for its function.

### 翻译后修饰

Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.

Sulfated on 40% of tyrosines.

### 细胞定位

Secreted > extracellular space > extracellular matrix.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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