

Datasheet for ABIN7437101  
**anti-COL4a5 antibody (AA 1461-1685)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	COL4a5 (COL4A5)
Binding Specificity:	AA 1461-1685
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL4a5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Polyclonal Antibody to Collagen Type IV Alpha 5 (COL4a5)
Immunogen:	Recombinant Collagen Type IV Alpha 5 (COL4a5) corresponding to Gly1461~Thr1685 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against COL4a5. It has been selected for its ability to recognize COL4a5 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

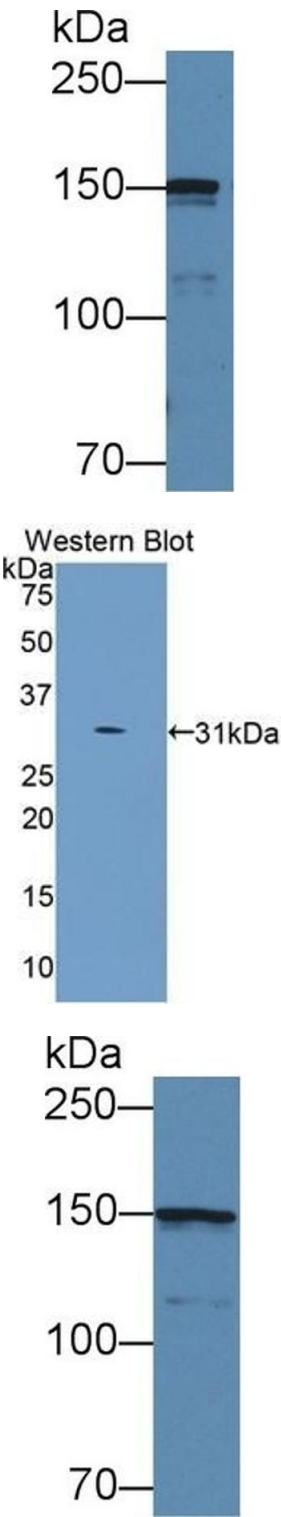
Target:	COL4a5 (COL4A5)
Alternative Name:	Collagen Type IV Alpha 5 ( <a href="#">COL4A5 Products</a> )
Background:	COL4-A5, ASLN, ATS, CA54, Collagen Alpha-5(IV)chain, Alport Syndrome
Pathways:	<a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	Western blotting: 0.5-3 µg/mL Immunohistochemistry: 5-30 µg/mL Immunocytochemistry: 5-30 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



**Western Blotting**

**Image 1.** Detection of COL4a5 in Porcine Cerebrum lysate using Polyclonal Antibody to Collagen Type IV Alpha 5 (COL4a5)

**Western Blotting**

**Image 2.** Detection of Recombinant COL4a5, Human using Polyclonal Antibody to Collagen Type IV Alpha 5 (COL4a5)

**Western Blotting**

**Image 3.** Detection of COL4a5 in Mouse Cerebrum lysate using Polyclonal Antibody to Collagen Type IV Alpha 5 (COL4a5)