

## Datasheet for ABIN7637186 **anti-COL4A1 antibody**



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### Overview

Quantity:	100 µL
Target:	COL4A1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COL4A1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunocytochemistry (ICC), Immunoprecipitation (IP)

### Product Details

Purpose:	Monoclonal Antibody to Collagen Type IV Alpha 1 (COL4a1)
Immunogen:	RPA149Hu01Recombinant Collagen Type IV Alpha 1 (COL4a1)
Clone:	C3
Specificity:	The antibody is a mouse monoclonal antibody raised against COL4a1. It has been selected for its ability to recognize COL4a1 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

### Target Details

Target:	COL4A1
Alternative Name:	COL4a1 ( <a href="#">COL4A1 Products</a> )

## Target Details

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Background: COL4-A1, Arresten, Collagen Alpha-1(IV)chain

UniProt: [P02462](#)

Pathways: [Skeletal Muscle Fiber Development](#), [Growth Factor Binding](#)

## Application Details

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Application Notes: Western blotting: 0.01-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 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

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Format: Liquid

Concentration: 1 mg/mL

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.