

Datasheet for ABIN7426901
anti-COL4a5 antibody (AA 1461-1685)[Go to Product page](#)

1 Image

Overview

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

Product Details

Purpose:	Monoclonal 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
Clone:	D2
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against COL4a5. It has been selected for its ability to recognize COL4a5 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

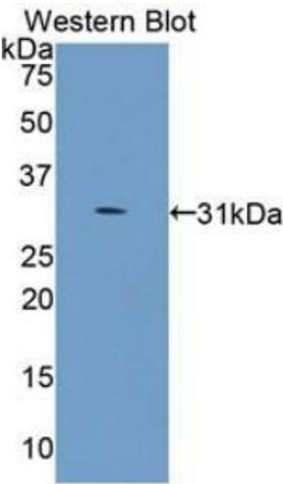
Target:	COL4a5 (COL4A5)
Alternative Name:	Collagen Type IV Alpha 5 (COL4A5 Products)
Background:	COL4-A5, ASLN, ATS, CA54, Collagen Alpha-5(IV)chain, Alport Syndrome
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western blotting: 0.5-2 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

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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 Recombinant COL4a5, Human using Monoclonal Antibody to Collagen Type IV Alpha 5 (COL4a5)