# Collagen VI/COL6A1 Monoclonal Antibody
## CAB9738

## Description

This Collagen VI/COL6A1 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

| | |
|---|---|
| **SKU:** | CAB9738 |
| **Contents:** | 20 μL, 100 μL |
| | Bradford Reagent: 1 vial (2ml) |
| **Category:** | Monoclonal Antibody |
| **Synonyms:** | OPLL, BTHLM1, UCHMD1, Collagen VI/COL6A1 |
| **Clone:** | ARC1725 |
| **Applications:** | WB  IHC-P  ELISA |
| **Conjugation:** | Unconjugated |
| **Reactivity:** | Human, Mouse, Rat |

## Antibody Data

| | |
|---|---|
| **Gene ID:** | 1291 |
| **Uniprot:** | AB_2863768 |
| **Host Species:** | Rabbit |
| **Purification:** | Affinity purification |
| **Observed MW:** | 140kDa |
| **Calculated MW:** | 109kDa |

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

## Preparation & Storage

**Storage:**
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:**
Mouse lung, Rat heart

**Recommended Dilutions:**

| WB | 1:500 - 1:1000 |
|---|---|
| IHC-P | 1:50 - 1:200 |
| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

**Protein Quantification (Optional):**
To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

## Validation Data
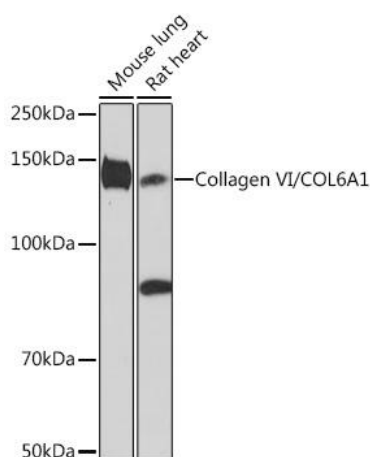


Western blot analysis of various lysates using Collagen VI/COL6A1 Rabbit mAb (CAB9738) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 3min.
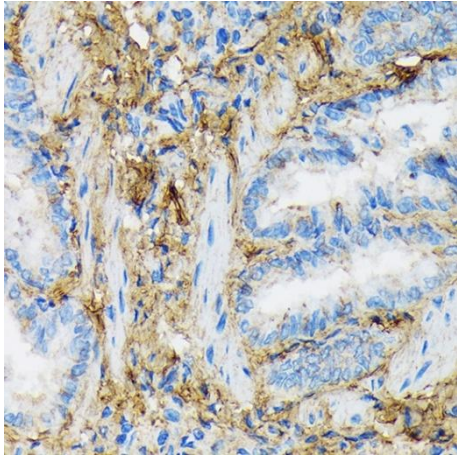
Immunohistochemistry analysis of paraffin-embedded Rat lung using Collagen VI/COL6A1 Rabbit mAb (CAB9738) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.