PAA350Hu01
Polyclonal Antibody to Collagen Type I Alpha 1 (COL1a1)
Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)
[ PROPERTIES ]
Source: Polyclonal antibody preparation
Host: Rabbit
Purification: Antigen-specific Affinity Chromatography.
Traits: Liquid
Concentration: 500µg/mL
UOM: 100µg
Applications: WB; ICC; IHC-P; IHC-F; ELISA.

[ IMMUNOGEN ]
Immunogen: Recombinant COL1a1 (Arg253~Ala471) expressed in E.coli.
Accession No.: RPA350Hu01

[ APPLICATIONS ]
Western blotting: 1-5µg/mL
Immunocytochemistry in formalin fixed cells: 5-20µg/mL
Immunohistochemistry in formalin fixed frozen section: 5-20µg/mL
Immunohistochemistry in paraffin section: 5-20µg/mL
Enzyme-linked Immunosorbent Assay: 0.05-2µg/mL
Optimal working dilutions must be determined by end user.

[ FORMULATION ]
Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[ STORAGE AND STABILITY ]
Storage: Avoid repeated freeze/thaw cycles.
    Store at 4°C for frequent use.
    Aliquot and store at -20°C for two years.
Stability Test: 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.

[ IDENTIFICATION ]

Figure 1. Western Blot
A. Sample: Recombinant COL1a1, Human
B. Lane1: Human Liver Tissue
   Lane2: Human Lung Tissue
   Lane3: Human Cartilage Tissue
Primary Ab: 3μg/mL Rabbit Anti-Human COL1a1 Ab
Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig Anti-Rabbit Ab (Catalog: SAA544Rb59)

Figure 2. DAB staining on IHC-P
Samples:
A. Human Breast Cancer Tissue
B. Human Breast Tissue
C. Human Liver Cancer Tissue
D. Human Liver Tissue