

COL4A5 Rabbit pAb

Catalog No.: A9809

Basic Information

Observed MW

161kDa

Calculated MW

161kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human

Background

This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. Mutations in this gene are associated with X-linked Alport syndrome, also known as hereditary nephritis. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter. Alternatively spliced transcript variants have been identified for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:500 - 1:1000

Immunogen Information

Gene ID

1287

Swiss Prot

P29400

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1462-1691 of human COL4A5 (NP_203699.1).

Synonyms

ATS; ASLN; ATS1; CA54; COL4A5

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

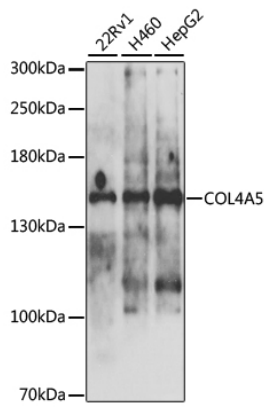
Affinity purification

Storage

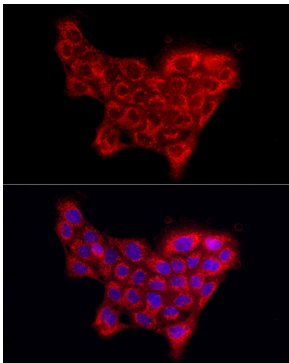
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using COL4A5 antibody (A9809) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunofluorescence analysis of A-431 cells using COL4A5 Rabbit pAb (A9809) at dilution of 1:1000 (40x lens). Blue: DAPI for nuclear staining.