

**COL4A6 (G1223) polyclonal antibody**

Catalog: BS9130

Host: Rabbit

Reactivity: Human

**BackGround:**

Collagens are fibrous, extracellular matrix proteins with high tensile strength and are the major components of connective tissue, such as tendons and cartilage. Collagens contain triple helix domains and frequently show lateral self-association in order to form complex connective tissues. Several collagens play a role in cell adhesion, which is important for maintaining normal tissue architecture and function. COL4A6 (collagen, type IV,  $\alpha$  6) is a 1,691 amino acid secreted protein belonging to the type IV collagen family. Type IV collagen, a major component of the basement membrane (BM), is composed of six genetically distinct  $\alpha$ (IV) chains,  $\alpha$ 1(IV) to  $\alpha$ 6(IV). Defects in the gene encoding COL4A6 is believed is the cause of X-linked Alport syndrome (AS), which is characterized by macroscopic hematuria, cataracts and leiomyomatosis.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 170 kDa

**Swiss-Prot:**

Q14031

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

IHC: 1:50~1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

COL4A6 (G1223) polyclonal antibody detects endogenous levels of COL4A6 protein.

**DATA:**

Immunohistochemistry (IHC) analyzes of COL4A6 (G1223) pAb in paraffin-embedded human cervix cancer tissue.

**Note:**

For research use only, not for use in diagnostic procedure.

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