Anti-COL4A3 antibody

Cat. No.	ml260783
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-COL4A3 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human COL4A3
Reactivity	Human, Mouse
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	COL4A3
Full name	collagen, type IV, alpha 3 (Goodpasture antigen)
Synonyms	
Swissprot	Q01955

Target Background

Type IV collagen, the major structural component of basement membranes, is a multimeric protein composed of 3 alpha subunits. These subunits are encoded by 6 different genes, alpha 1 through alpha 6, each of which can form a triple helix structure with 2 other subunits to form type IV collagen. This gene encodes alpha 3. In the Goodpasture syndrome, autoantibodies bind to the collagen molecules in the basement membranes of alveoli and glomeruli. The epitopes that elicit these autoantibodies are localized largely to the non-collagenous C-terminal domain of the protein. A specific kinase phosphorylates amino acids in this same C-terminal region and the expression of this kinase is upregulated during pathogenesis. This gene is also linked to an autosomal recessive form of Alport syndrome. The mutations contributing to this syndrome are also located within the exons that encode this C-terminal region. 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.
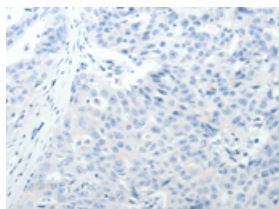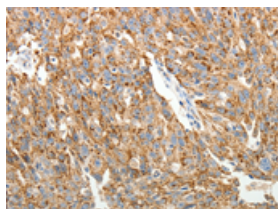
Applications

Immunohistochemistry

Predicted cell location: Secreted, ExtraCellular matrix, ExtraCellular space

Positive control: Human ovarian cancer

Recommended dilution: 25-100

Predicted cell location: Secreted, ExtraCellular matrix, ExtraCellular space

Positive control: Human thyroid cancer
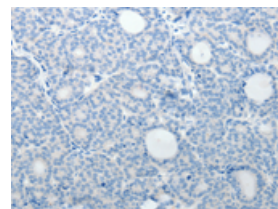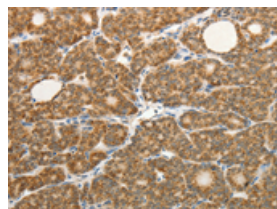
Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml260783(COL4A3 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml260783(COL4A3 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

联系电话：**4008-898-798，021-61725725**

联系**QQ：2881505695，2881505696**

邮箱：**mlbio_cn@yeah.net**

网址：**www.mlbio.cn**