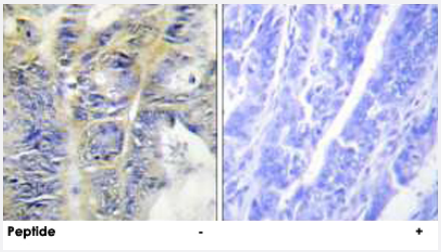
COL4A5 polyclonal antibody

Catalog # PAB17513 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using COL4A5 polyclonal antibody (Cat # PAB17513).
Peptide "+" means "with peptide blocking".

Immunofluorescence

Immunofluorescence analysis of HeLa cells, using COL4A5 polyclonal antibody (Cat # PAB17513).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of COL4A5.
Immunogen	A synthetic peptide corresponding to internal of human COL4A5.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of total COL4A5 protein.
Form	Liquid

Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using COL4A5 polyclonal antibody (Cat # PAB17513).
  Peptide "+" means "with peptide blocking".

- Immunofluorescence

  Immunofluorescence analysis of HeLa cells, using COL4A5 polyclonal antibody (Cat # PAB17513).
  Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — COL4A5

Entrez GeneID	1287
Protein Accession#	P29400
Gene Name	COL4A5
Gene Alias	ASLN, ATS, CA54, MGC167109, MGC42377
Gene Description	collagen, type IV, alpha 5
Omim ID	301050 303630
Gene Ontology	Hyperlink

Gene Summary	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. Three transcript variants have been identified for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000023838|collagen IV, alpha-5 polypeptide|collagen of basement membrane, alpha-5 chain|dA149D17.3|dA24A23.1|type IV collagen alpha 5

Disease

- Alport syndrome
- Cardiovascular Diseases
- Chorioamnionitis
- Deafness
- Diabetes Mellitus
- Disease Progression
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Hearing Loss
- Kidney Failure
- Nephritis
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth