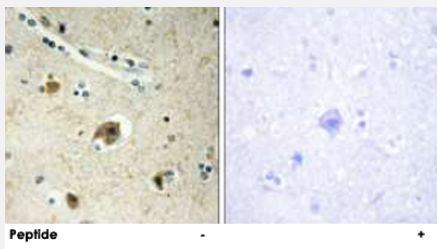


COL4A4 polyclonal antibody

Catalog # PAB17512 Size 100 ug

Applications



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

Immunohistochemistry analysis of paraffin-embedded human brain tissue using COL4A4 polyclonal antibody (Cat # PAB17512).

Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of COS-7 cells, using COL4A4 polyclonal antibody (Cat # PAB17512).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of COL4A4.
Immunogen	A synthetic peptide corresponding to internal of human COL4A4.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total COL4A4 protein.
Form	Liquid

Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:100-1:500) ELISA (1:1000) 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 should be handled by trained staff only.

Applications

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

Immunohistochemistry analysis of paraffin-embedded human brain tissue using COL4A4 polyclonal antibody (Cat # PAB17512).

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- Immunofluorescence

Immunofluorescence analysis of COS-7 cells, using COL4A4 polyclonal antibody (Cat # PAB17512).

Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — COL4A4

Entrez GeneID	1286
Protein Accession#	P53420
Gene Name	COL4A4
Gene Alias	CA44
Gene Description	collagen, type IV, alpha 4
Omim ID	120131 203780
Gene Ontology	Hyperlink

Gene Summary

This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. This particular collagen IV subunit, however, is only found in a subset of basement membranes. 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. Mutations in this gene are associated with type II autosomal recessive Alport syndrome (hereditary glomerulonephropathy) and with familial benign hematuria (thin basement membrane disease). Two transcripts, differing only in their transcription start sites, have been identified for this gene and, as is common for collagen genes, multiple polyadenylation sites are found in the 3' UTR. [provided by RefSeq]

Other Designations

Collagen IV, alpha-4 polypeptide|OTTHUMP00000195046|alpha 4 type IV collagen|collagen of basement membrane, alpha-4 chain

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Alport syndrome](#)
- [Chorioamnionitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hematuria](#)
- [Keratoconus](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)

- [Premature Birth](#)
- [Tobacco Use Disorder](#)