



Anti-COL4A1 polyclonal antibody (CPBT-67897RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	exhibits the following reactivities with Collagen IV and related proteins: Human collagen IV 100% Human types I, III and V; 10% Human collagen II; 1% Human plasma proteins do not interfere with collagen binding. Collagen is located in the extracellular matrix of connective tissues. It is part of the interacting network of proteoglycans and proteins that provides a structural framework for both soft and calcified connective tissues. Type IV collagen forms a two-dimensional reticulum and is a major component of the basal lamina.
Specificity	COL4A1
Immunogen	Collagen type IV from human placenta
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; IF; IHC-P
Format	Purified IgG - lyophilised
Size	500 µl
Preservative	None
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

GENE INFORMATION

Gene Name	COL4A1 collagen, type IV, alpha 1 [Homo sapiens (human)]
Official Symbol	COL4A1
Synonyms	COL4A1; collagen, type IV, alpha 1; BSVD; collagen alpha-1(IV) chain; arresten; COL4A1 NC1 domain; collagen IV, alpha-1 polypeptide; collagen of basement membrane, alpha-1 chain;
Entrez Gene ID	1282
Protein Refseq	NP_001290039
UniProt ID	Q14031
Chromosome Location	13q34
Pathway	Amoebiasis; Assembly of collagen fibrils and other multimeric structures; Axon guidance; Binding and Uptake of Ligands by Scavenger Receptors; Collagen biosynthesis and modifying enzymes; Collagen formation; Developmental Biology; ECM-receptor interaction;
Function	extracellular matrix constituent conferring elasticity; extracellular matrix structural constituent; platelet-derived growth factor binding; protein binding;