



# Collagen IV rabbit pAb

Cat No.:ES8486

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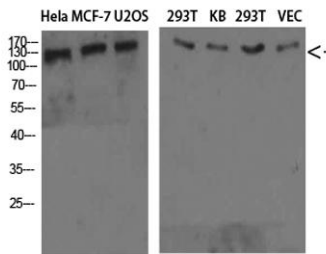
## Overview

<b>Product Name</b>	Collagen IV rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	WB 1:500-2000, ELISA 1:10000-20000
<b>Immunogen</b>	Synthesized peptide derived from Collagen IV . at AA range: 1428-1443
<b>Specificity</b>	Collagen IV Polyclonal Antibody detects endogenous levels of Collagen IV
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Collagen IV
<b>Gene Name</b>	COL4A1
<b>Cellular localization</b>	Secreted, extracellular space, extracellular matrix, basement membrane .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	130kD
<b>Human Gene ID</b>	1282
<b>Human Swiss-Prot Number</b>	P02462
<b>Alternative Names</b>	collagen, type IV, alpha 1
<b>Background</b>	This gene encodes a type IV collagen alpha protein. Type IV collagen proteins are integral components of basement membranes. This gene shares a bidirectional promoter with a paralogous gene on the opposite strand. The protein consists of an amino-terminal 7S domain, a triple-helix forming collagenous domain, and a carboxy-terminal non-collagenous domain. It functions as part of a





heterotrimer and interacts with other extracellular matrix components such as perlecan, proteoglycans, and laminins. In addition, proteolytic cleavage of the non-collagenous carboxy-terminal domain results in a biologically active fragment known as arresten, which has anti-angiogenic and tumor suppressor properties. Mutations in this gene cause porencephaly, cerebrovascular disease, and renal and muscular defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],



Western Blot analysis of HeLa MCF-7 U2OS 293T KB 293T VEC cells using Collagen IV Polyclonal Antibody diluted at 1:800. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

