

CAB10710

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## Product Information

Product SKU:	CAB10710	Gene ID:	1282	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human

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## Additional Information

Observed MW:	160kDa	Conjugate:	Unconjugated
Calculated MW:	161kDa	Isotype:	IgG

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## Immunogen Information

<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.
<b>Recommended Dilution:</b>	WB,1:500 - 1:2000
<b>Synonyms:</b>	BSVD; BSVD1; RATOR; PADMAL; COL4A1s; COL4A1
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1445-1669 of human COL4A1 (NP_001836.2).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.