

bs-7501R**[Primary Antibody]****CO4A2 Rabbit pAb****BioSS**
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 1284	SWISS: P08572	IHC-F (1:100-500)
Target: CO4A2		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Collagen alpha-2(IV) chain: 1651-1712/1712.		ELISA (1:5000-10000)
Purification: affinity purified by Protein A		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)
Concentration: 1mg/ml		Predicted MW.: 25/149 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane
Background: CO4A2 is one of the six subunits of type IV collagen, the major structural component of basement membranes. CO4A2 forms a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen and is an inhibitor of angiogenesis and tumor growth.		

— SELECTED CITATIONS —

- **[IF=10.7]** Zheng Li. et al. RNA splicing controls organ-wide maturation of postnatal heart in mice. DEV CELL. 2024 Oct 14 IF ;Mouse. 39406241
- **[IF=3.571]** Hu X et al. Selenium-mediated gga-miR-29a-3p regulates LMH cell proliferation, invasion, and migration by targeting COL4A2. Metallomics. 2020 Feb 10. WB ;Chicken. 32039426
- **[IF=4.074]** Yingjun Liu. et al. Comparative bioinformatics analysis between proteomes of rabbit aneurysm model and human intracranial aneurysm with label - free quantitative proteomics. Cns Neurosci Ther. 2021 Jan;27(1):101-112 WB,IHC ;Human, Rabbit . 33389819
- **[IF=1.794]** Gao X et al. Alteration and prognostic values of collagen gene expression in patients with gastric cancer under different treatments. Pathol Res Pract. 2020 Mar;216(3):152831. IHC ;Human. 32005407