

bs-1310R**[Primary Antibody]****Bioss**
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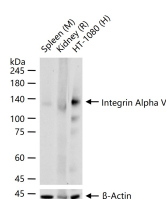
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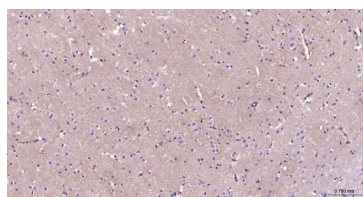
400-901-9800

Integrin Alpha V Rabbit pAb**— DATASHEET —**

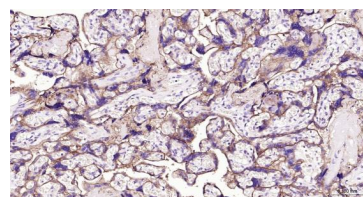
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) IP (1:20-50)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat
GeneID: 3685	SWISS: P06756	
Target: Integrin Alpha V		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 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.		
Background: Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumour cells. ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8; ITGB1, ITGB3, ITGB5, ITGB6, and ITGB8), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction.		Predicted MW.: 116 kDa Observed MW.: 120-145 kDa Subcellular Location: Cell membrane

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with Integrin Alpha V polyclonal antibody, unconjugated (bs-1310R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Integrin Alpha V Polyclonal Antibody, Unconjugated (bs-1310R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Integrin Alpha V Polyclonal Antibody, Unconjugated (bs-1310R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=15.881]** Kuo Zhang. et al. A Monotargeting Peptidic Network Antibody Inhibits More Receptors for Anti-Angiogenesis. ACS NANO. 2021;15(8):13065–13076 IF ;Rabbit. 10.1021/acsnano.1c02194
- **[IF=15.1]** Xiangwu Geng. et al. Biomimetically ordered ultralong hydroxyapatite nanowires-based hierarchical hydrogel scaffold with osteoimmunomodulatory and osteogenesis abilities for augmenting bone regeneration. CHEM ENG J. 2024 May;488:151136 WB ;Human. 10.1016/j.cej.2024.151136

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=13.3]** Myung-Ju Lee. et al. Senescence of endothelial cells increases susceptibility to Kaposi's sarcoma-associated herpesvirus infection via CD109-mediated viral entry. J CLIN INVEST. 2024 Dec;; FC ;Human. 39666389
- **[IF=12.121]** Gehua Zhen. et al. Mechanical stress determines the configuration of TGF β activation in articular cartilage. Nat Commun. 2021 Mar;12(1):1-16 IHC ;Mouse. 33731712
- **[IF=11.467]** Andrew S. Choi. et al. Can targeted nanoparticles distinguish cancer metastasis from inflammation?. J CONTROL RELEASE. 2023 Apr;; IHC ;Mouse. 37011838