

bs-0567R**[Primary Antibody]****Bioss**
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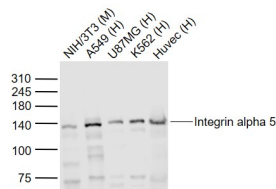
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Integrin alpha 5 Rabbit pAb**DATASHEET**

Host: Rabbit Clonality: Polyclonal GeneID: 3678 Target: Integrin alpha 5 Immunogen: KLH conjugated synthetic peptide derived from human Integrin alpha-5 light chain: 1021-1099/1099. < Cytoplasmic > 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: The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. [provided by RefSeq, Jul 2008]	Isotype: IgG SWISS: P08648	Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Horse) Predicted MW.: 110 kDa Subcellular Location: Cell membrane
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VALIDATION IMAGES

Sample: Lane 1: NIH/3T3 (Mouse) Cell Lysate at 30 ug
Lane 2: A549 (Human) Cell Lysate at 30 ug
Lane 3: U87MG (Human) Cell Lysate at 30 ug
Lane 4: K562 (Human) Cell Lysate at 30 ug
Lane 5: Huvec (Human) Cell Lysate at 30 ug
Primary: Anti-Integrin alpha 5 (bs-0567R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 140 kD
Observed band size: 140 kD

SELECTED CITATIONS

- **[IF=3.565]** Tao Wang, et al. Preliminary study on SPECT/CT imaging of pancreatic cancer xenografts by targeting integrin $\alpha 5$ in pancreatic stellate cells. J Cancer. 2021; 12(6): 1729–1733 WB,IHC ;Human. 33613761
- **[IF=3.848]** Song Danyang, et al. Silencing of ER-resident oxidoreductase PDIA3 inhibits malignant biological behaviors of multidrug-resistant gastric cancer. Acta Bioch Bioph Sin. 2021 Aug; IHC ;Human. 34363072
- **[IF=2.93]** Cui, Li, et al. "The Role of Integrin- $\alpha 5$ in the Proliferation and Odontogenic Differentiation of Human Dental Pulp Stem Cells." Journal of endodontics 40.2 (2014): 235-240. WB ;Human. 24461410
- **[IF=2.81]** Zhang, Rui, et al. "Rho/MRTF-A-Induced Integrin Expression Regulates Angiogenesis in Differentiated Multipotent Mesenchymal Stem Cells." Stem Cells International 2015 (2015). WB ;Rat. 25949242

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

- **[IF=2.81]** Torkamani, N., et al. "Epidermal Cells Expressing Putative Cell Markers in Nonglabrous Skin Existing in Direct Proximity with the Distal End of the Arrector Pili Muscle." Stem Cells International 2016 (2016). IHC ;Mouse. 27375744