

[Primary Antibody]



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Integrin alpha 6 Rabbit pAb

— DATASHEET

Host: Rabbit

Isotype: IgG

Applications: WB (1:500-2000)

Clonality: Polyclonal

GeneID: 3655

SWISS: P23229

Target: Integrin alpha 6

Immunogen: KLH conjugated synthetic peptide derived from human Integrin alpha 6: 1031-1130/1130.

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.

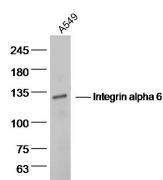
Background: The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 6 subunit. This subunit may associate with a beta 1 or beta 4 subunit to form an integrin that interacts with extracellular matrix proteins including members of the laminin family. The alpha 6 beta 4 integrin may promote tumorigenesis, while the alpha 6 beta 1 integrin may negatively regulate erbB2/HER2 signaling. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

Reactivity: Human (predicted: Mouse, Rat, Cow, Chicken)

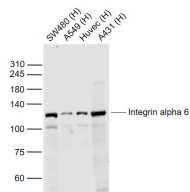
Predicted MW.: 21/124 kDa

Subcellular Location: Cell membrane

— VALIDATION IMAGES



Sample: A549 Cell (Human) Lysate at 40 ug
Primary: Anti-Integrin alpha 6 (bs-2641R) at
1/300 dilution Secondary: IRDye800CW Goat
Anti-Rabbit IgG at 1/20000 dilution Predicted
band size: 21/124 kD Observed band size: 130 kD



Sample: Lane 1: SW480 (Human) Cell Lysate at 30 ug
Lane 2: A549 (Human) Cell Lysate at 30 ug
Lane 3: Huvec (Human) Cell Lysate at 30 ug
Lane 4: A431 (Human) Cell Lysate at 30 ug
Primary: Anti-Integrin alpha 6 (bs-2641R) at 1/1000
dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 120 kD
Observed band size: 115 kD

— SELECTED CITATIONS

- **[IF=17.694]** Bae, Eunhyung. et al. Integrin $\alpha 3 \beta 1$ promotes vessel formation of glioblastoma-associated endothelial cells through calcium-mediated macropinocytosis and lysosomal exocytosis. NAT COMMUN. 2022 Jul;13(1):1-15 IF ;Mouse. 35879332
- **[IF=6.217]** Wang L et al. Zoledronic acid inhibits the growth of cancer stem cell derived from cervical cancer cell by attenuating their stemness phenotype and inducing apoptosis and cell cycle arrest through the Erk1/2 and Akt pathways. J Exp Clin Cancer Res. 2019 Feb 21;38(1):93. IF, WB ;Human&Mouse. 30791957

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

- **[IF=3.26]** Niu, Zhiwei, et al. "Ras/ERK1/2 pathway regulates the self-renewal of dairy goat spermatogonia stem cells." *Reproduction* 149.5 (2015): 445-452. Other ;="Goat". 25820901
- **[IF=3.12]** Zheng, Liming, et al. "CD49f promotes proliferation of male dairy goat germline stem cells." *Cell Proliferation* (2016). WB ;="Goat". 26841372
- **[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