bs-1057R **[Primary Antibody]**

Integrin Alpha 3 + Beta 1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3675 **SWISS:** P26006

Target: Integrin Alpha 3 + Beta 1

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 protein encoded by this gene belongs to the family of integrins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain, and function as cell surface adhesion molecules. This gene encodes alpha 3 subunit, which undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 subunit to form an integrin that interacts with many extracellular-matrix proteins. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]

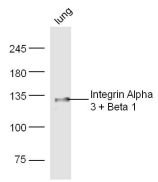
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse)

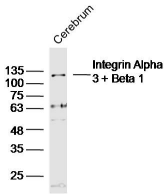
Predicted MW.: 115 kDa

Subcellular Location: Cell membrane

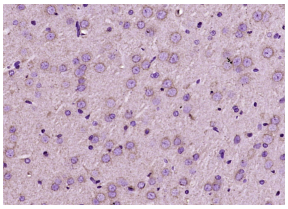
VALIDATION IMAGES



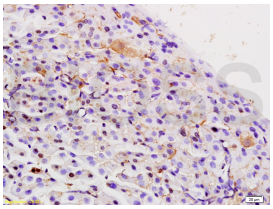
Sample: Lung (Mouse) Lysate at 30 ug Primary: Anti- Integrin Alpha 3 + Beta 1 (bs-1057R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 115 kD Observed band size: 130 kD



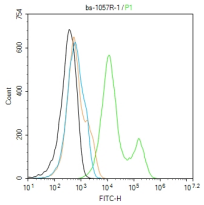
Sample: Cerebrum (Mouse) Lysate at 30 ug Primary: Anti- Integrin Alpha 3 + Beta 1 (bs-1057R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 115 kD Observed band size: 117 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Integrin Alpha 3 + Beta 1) Polyclonal Antibody, Unconjugated (bs-1057R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37∩ for 20 min; Incubation:



Blank control:A431. Primary Antibody (green line): Rabbit Anti-Integrin Alpha 3 + Beta 1 antibody (bs-1057R) Dilution: 1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were incubated in 5%BSA to

Anti-Integrin Alpha 3 + Beta 1 Polyclonal Antibody, Unconjugated(bs-1057R) 1:200, overnight at 4ΣC, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[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=11.8]** Guanqun Ren. et al. Decreased GATA3 levels cause changed mouse cutaneous innate lymphoid cell fate, facilitating hair follicle recycling. DEV CELL. 2024 五月 08 FCM ;Mouse. 38723629
- **[IF=8.947]** Anqi Liu. et al. Core fucosylation involvement in the paracrine regulation of proteinuria-induced renal interstitial fibrosis evaluated with the use of a microfluidic chip. Acta Biomater. 2022 Feb;: IF ;Human. 10.1016/j.actbio.2022.02.020
- **[IF=8.2]** Xiaoyin Guo. et al. Mechanism underlying the role of integrin α3β1 in adhesive dysfunction between thyroid cells induced by diesel engine exhaust particles. SCI TOTAL ENVIRON. 2024 Oct;947:174535 WB ;Mouse. 38972403
- **[IF=5.18]** Wang, G., et al. "PAK1 regulates RUFY3-mediated gastric cancer cell migration and invasion." Cell Death & Disease 6.3 (2015): e1682. Other ;="Human". 25766321