

bs-3539R**[Primary Antibody]****Paxillin Rabbit pAb****Bioss**
ANTIBODIES

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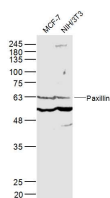
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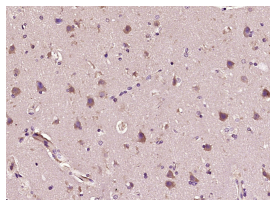
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— DATASHEET —

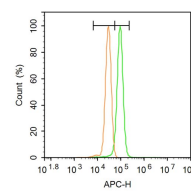
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (3ug/Test) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Cow, Dog, Horse) Predicted MW.: 68 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Polyclonal		
GeneID: 5829	SWISS: P49023	
Target: Paxillin		
Immunogen: KLH conjugated synthetic peptide derived from human Paxillin: 501-591/591.		
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: Paxillin is a 64 kDa cytoskeletal adapter protein involved in organisation and function of focal adhesions, which are critical to cell adhesion and migration. This in turn plays a role in a wide variety of processes including embryogenesis, organogenesis, wound repair, inflammation and cancer. Paxillin contains LD motifs, LIM domains, SH3 and SH2 binding domains that serve as docking sites for cytoskeletal proteins, tyrosine kinases (e.g., FAK, Pyk 2, Src), serine/threonine kinases, GTPase activating proteins and other adaptor proteins (e.g., Actin, Vinculin, Crk).		

— VALIDATION IMAGES —

Sample: MCF-7(Human) Lysate at 40 ug
NIH/3T3(Mouse) Lysate at 40 ug
Primary: Anti-Paxillin (bs-3539R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 68 kD
Observed band size: 63 kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma);
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 (Paxillin) Polyclonal Antibody, Unconjugated (bs-3539R) at 1:400 overnight at 4°C,
followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-Paxillin antibody (bs-3539R)
Dilution: 1µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1µg /test.
Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to 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=9.776]** Jingwen Dong. et al. "Attractive/adhesion force" dual-regulatory nanogels capable of CXCR4 antagonism and autophagy inhibition for the treatment of metastatic breast cancer. J Control Release. 2022 Jan;341:892 WB,IF,IHC ;Mouse. 34953982

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

- **[IF=4.268]** Jian-xia Wen. et al. Therapeutic Effects and Potential Mechanism of Dehydroevodiamine on N-Methyl-N'-Nitro-N-Nitrosoguanidine-Induced Chronic Atrophic Gastritis. *Phytomedicine*. 2021 Jun;;153619 WB,IHC ;Rat. 34320422
- **[IF=4.3]** Xinyu Zhao. et al. Orderly Regulation of Macrophages and Fibroblasts by Axl in Bleomycin - Induced Pulmonary Fibrosis in Mice. *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*. 2025 Jan;29(1):e70321. Western blot ;Mouse. 39779468
- **[IF=2.5]** Chenlei Li. et al. Plexin D1 Negatively Regulates Macrophage-derived Foam Cell Migration via the Focal Adhesion Kinase/Paxillin Pathway. *BIOCHEM BIOPH RES CO*. 2024 Jun;;150236 WB ;Mouse. 38897039