

bs-7877R**[Primary Antibody]****NEDD4 Rabbit pAb****BioSS**
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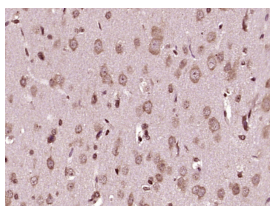
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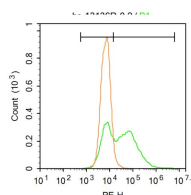
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 4734 Target: NEDD4 Immunogen: KLH conjugated synthetic peptide derived from human SRD5A2: 801-900/1319. 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: E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in the pathway leading to the degradation of VEGFR-2/KDR, independently of its ubiquitin-ligase activity. Monoubiquitinates IGF1R at multiple sites, thus leading to receptor internalization and degradation in lysosomes. According to PubMed:18562292 the direct link between NEDD4 and PTEN regulation through polyubiquitination described in PubMed:17218260 is questionable. Involved in ubiquitination of ERBB4 intracellular domain E4ICD. Involved in the budding of many viruses. Part of a signaling complex composed of NEDD4, RAP2A and TNK1 which regulates neuronal dendrite extension and arborization during development. Ubiquitinates TNK2 and regulates EGF-induced degradation of EGFR and TNF2.	Isotype: IgG SWISS: P46934	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (3ug/test) Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 145 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (NEDD4) Polyclonal Antibody, Unconjugated (bs-7877R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control:A549. Primary Antibody (green line): Rabbit Anti-NEDD4 antibody (bs-7877R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 3µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% 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=6]** Liu Xiuxing. et al. Single-cell profiling unveils a geroprotective role of Procyanidin C1 in hematopoietic immune system via senolytic and senomorphic effects. npj Aging. 2025 May;11(1):1-16 FC ;Mouse. 40316527
- **[IF=5]** Wei Zhao. et al. Oncogenic Role of the NFATC2/NEDD4/FBP1 Axis in Cholangiocarcinoma. LAB INVEST. 2023 Jun;;100193 IF,ICC ;Human. 37285922
- **[IF=2.092]** Yan Chunchi. et al. Increase of E3 ubiquitin ligase NEDD4 expression leads to degradation of its target proteins PTEN/IGF1R during the formation of goose fatty liver. J Anim Sci. 2020 Sep;98(9): WB ;Goose. 32841331