

bs-0378R**[Primary Antibody]****Runx3 Rabbit pAb****Bioss**
ANTIBODIES

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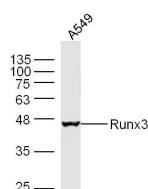
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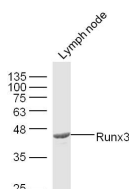
400-901-9800

— DATASHEET —

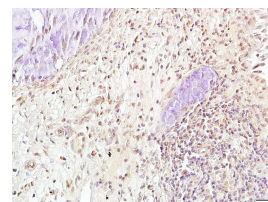
Host: Rabbit Clonality: Polyclonal GeneID: 864 Target: Runx3 Immunogen: KLH conjugated synthetic peptide derived from human Runx3: 151-250/415. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]	Isotype: IgG SWISS: Q13761	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Cow, Chicken, Dog) Predicted MW.: 44 kDa Subcellular Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Sample: A549 Cell Lysate at 30 ug
Primary: Anti-Runx3 (bs-0378R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 44 kD
Observed band size: 44 kD



Sample: Lymph node (Mouse) Lysate at 30 ug
Primary: Anti-Runx3 (bs-0378R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 44 kD
Observed band size: 44 kD



Tissue/cell: human cervical carcinoma; 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°C for 20 min; Incubation: Anti-Runx3 Polyclonal Antibody, Unconjugated(bs-0378R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=3.48]** He, Jian?Feng, et al. "xpression of RUNX3 in salivary adenoid cystic carcinoma: Implications for tumor progression and prognosis." Cancer science 99.7 (2008): 1334-1340.. IHC ;="Human". 18410404
- **[IF=2.5]** Tian Yang. et al.Galangin alleviates gastric mucosal injury in rats with chronic atrophic gastritis by reducing ferroptosis.histology and histopathology.2025 Jan 24:18878. IHC ;rat. 39898405
- **[IF=2.35]** Liu, Yanhua, et al. "RUNX3 modulates hypoxia-induced endothelial-to-mesenchymal transition of human cardiac microvascular endothelial cells." International Journal of Molecular Medicine (2017). WB ;="Human".

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

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