



## Rabbit Anti-Runx3 antibody

SL0378R

<b>Product Name:</b>	Runx3
<b>Chinese Name:</b>	Runx3抗体
<b>Alias:</b>	Runt-related transcription factor 3; Core-binding factor, alpha 3 subunit; CBF-alpha 3; Acute myeloid leukemia 2 protein; OncogeneAML-2; Polyomavirus enhancer-binding protein 2 alpha C subunit; PEBP2-alpha C; PEA2-alpha C; SL3-3 enhancer factor 1 alpha C subunit; SL3/AKV core-binding factor alpha C subunit; Core-binding factor, alpha 3 subunit; CBF-alpha 3; Acute myeloid leukemia 2 protein; Oncogene AML-2; Polyomavirus enhancer-binding protein 2 alpha C subunit; PEBP2-alpha C; PEA2-alpha C; SL3-3 enhancer factor 1 alpha C subunit; SL3/AKV core-binding factor alpha C subunit.
<b>文献引用</b> <b>PubMed</b> :	<p><b>Specific References(2)</b> SL0378R has been referenced in 2 publications.</p> <p><b>[IF=3.48]</b>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..<b>IHC-P;Human.</b>  <a href="#">PubMed:18410404</a></p> <p><b>[IF=2.35]</b>Liu, Yanhua, et al. "RUNX3 modulates hypoxia-induced endothelial-to-mesenchymal transition of human cardiac microvascular endothelial cells." International Journal of Molecular Medicine (2017).<b>WB;Human.</b>  <a href="#">PubMed:28534977</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.

<b>Molecular weight:</b>	44kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Runx3:151-250/415
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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]</p> <p><b>Function:</b> CBF binds to the core site, 5'-PYGPYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, lck, IL-3 and GM-CSF promoters.</p> <p><b>Subunit:</b> Heterodimer of an alpha and a beta subunit. The alpha subunit binds DNA as a monomer and through the Runt domain. DNA-binding is increased by heterodimerization. Interacts with TLE1 and SUV39H1. The tyrosine phosphorylated form (via runt domain) interacts with SRC (via protein kinase domain). Interacts with FYN and LCK.</p> <p><b>Subcellular Location:</b> Nucleus. Cytoplasm. Note=The tyrosine phosphorylated form localizes to the cytoplasm.</p> <p><b>Post-translational modifications:</b> Phosphorylated on tyrosine residues by SRC. Phosphorylated by LCK and FYN.</p> <p><b>Similarity:</b> Contains 1 Runt domain.</p> <p><b>SWISS:</b> Q13761</p> <p><b>Gene ID:</b> 864</p>

**Database links:**

[Entrez Gene: 864](#)Human

[Oimim: 600210](#)Human

[SwissProt: Q13761](#)Human

[Unigene: 170019](#)Human

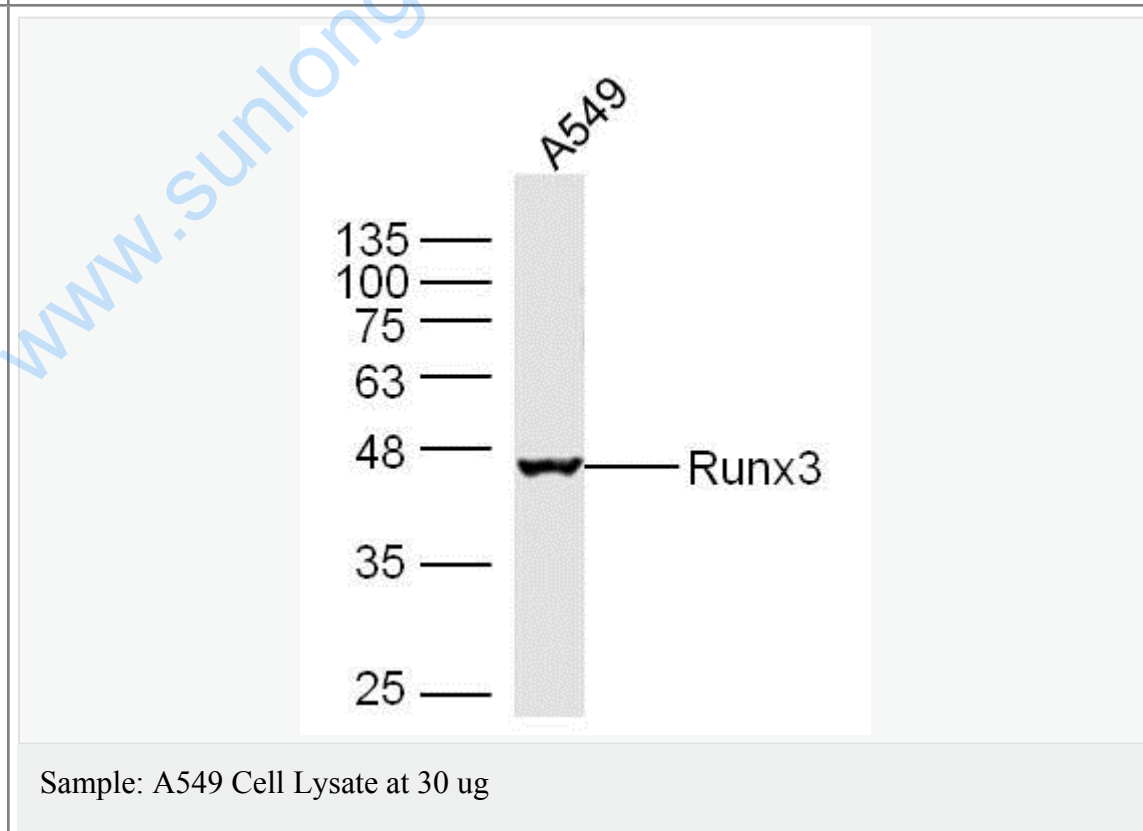
**Important Note:**

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

新型抑癌基因/一种新发现的抑癌基因。经研究发现,在人类胃癌细胞系和胃癌组织中普遍存在Runx3基因表达的缺失或下调,该蛋白与胃癌的发生、发展密切相关。RUNX3基因被认为是一种新发现的抑癌基因,对胃癌细胞的生长有明显的抑制作用在胃黏膜epithelial cells调控、对脊神经节的神经发育和TCell differentiation中都发挥重要作用。

随着研究的不断深入, Runx3蛋白有望成为胃癌诊断的一个新型生物学Marker和基因治疗靶点。

Picture:

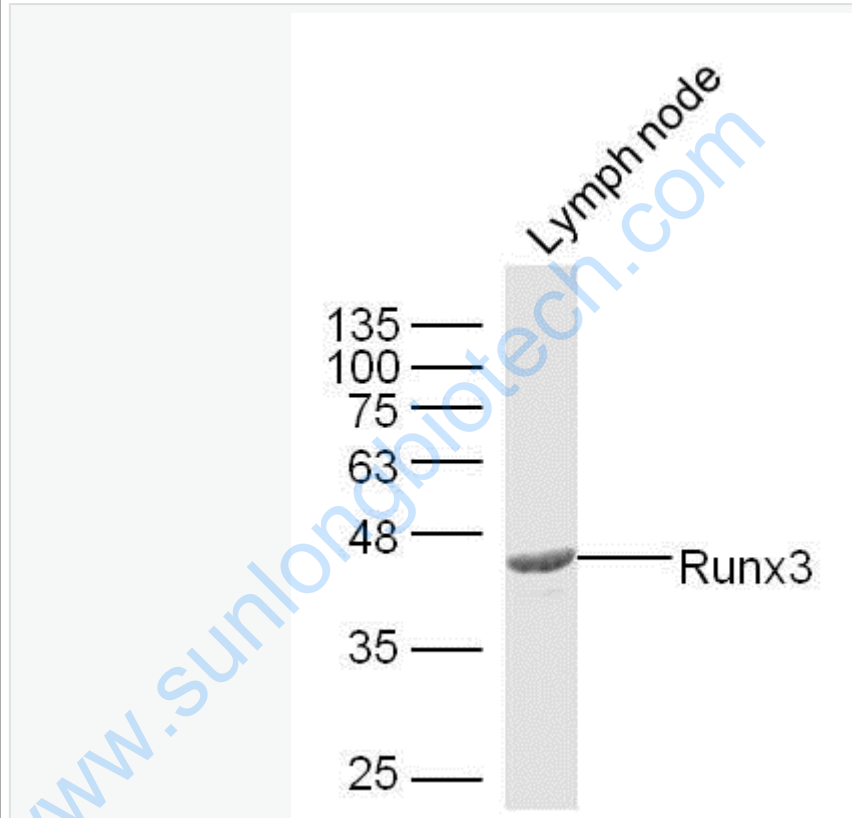


Primary: Anti- Runx3 (SL0378R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 44 kD



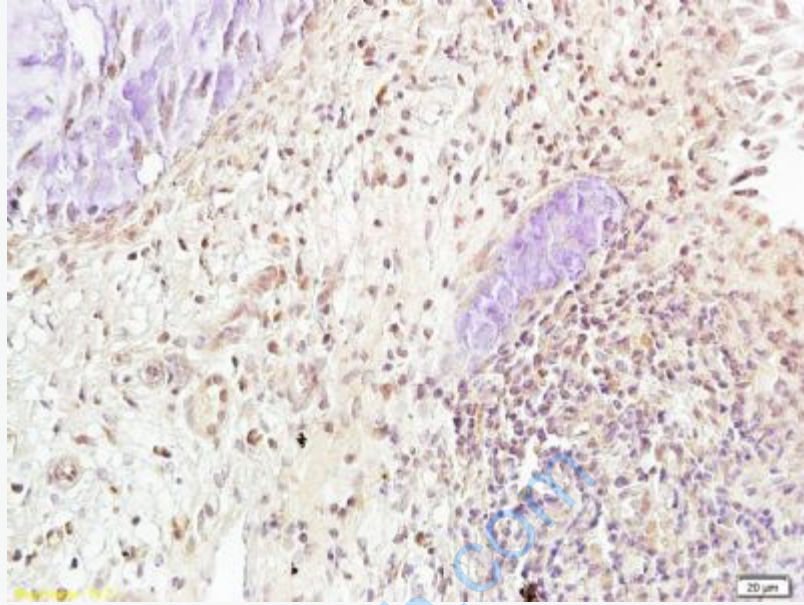
Sample: Lymph node (Mouse) Lysate at 30 ug

Primary: Anti- Runx3 (SL0378R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 44 kD

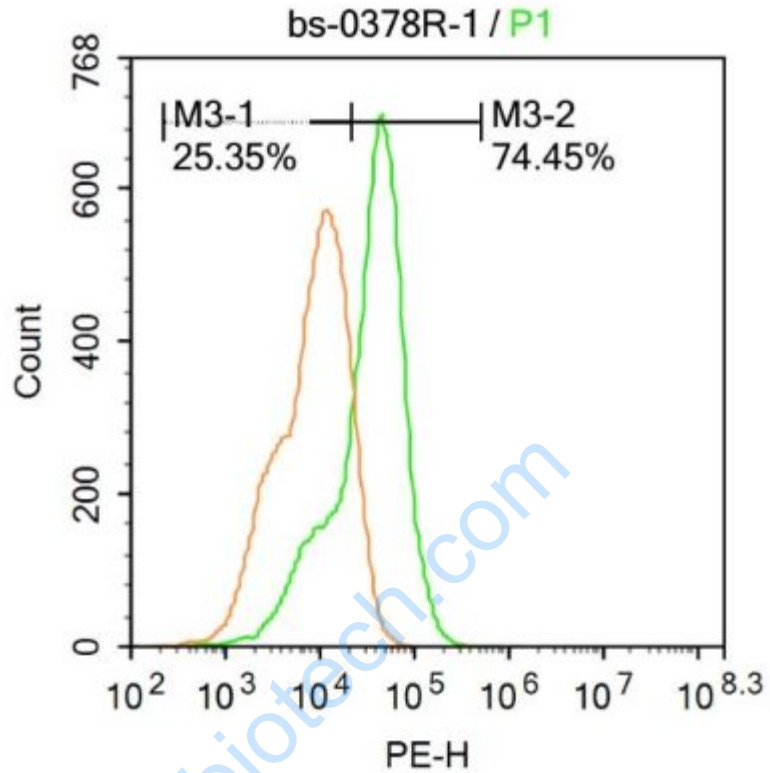
Observed band size: 44 kD



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(SL0378R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



U-937 cells were fixed with 4% PFA for 10min at room temperature, permeabilized with 90% ice-cold methanol for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with Runx3 Antibody (SL0378R) at 1:500 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).