

**bs-3021R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

www.bioss.com.cn

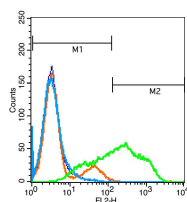
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**phospho-ALK (Tyr1278 + Tyr1282 + Tyr1283)  
Rabbit pAb****— DATASHEET —**

<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 238</p> <p><b>Target:</b> ALK (Tyr1278 + Tyr1282 + Tyr1283)</p> <p><b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human ALK around the phosphorylation site of Tyr1278/1282/1283: DI(p-Y)RAS(p-Y)(p-Y)RK.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><b>Storage:</b> 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.</p> <p><b>Background:</b> This gene encodes a receptor tyrosine kinase, which belongs to the insulin receptor superfamily. This protein comprises an extracellular domain, an hydrophobic stretch corresponding to a single pass transmembrane region, and an intracellular kinase domain. It plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. This gene has been found to be rearranged, mutated, or amplified in a series of tumours including anaplastic large cell lymphomas, neuroblastoma, and non-small cell lung cancer. The chromosomal rearrangements are the most common genetic alterations in this gene, which result in creation of multiple fusion genes in tumourigenesis, including ALK (chromosome 2)/EML4 (chromosome 2), ALK/RANBP2 (chromosome 2), ALK/ATIC (chromosome 2), ALK/TFG (chromosome 3), ALK/NPM1 (chromosome 5), ALK/SQSTM1 (chromosome 5), LK/KIF5B (chromosome 10), ALK/CLTC (chromosome 17), ALK/TPM4 (chromosome 19), and ALK/MSN (chromosome X).[provided by RefSeq, Jan 2011].</p>	<p><b>Isotype:</b> IgG</p> <p><b>SWISS:</b> Q9UM73</p> <p><b>Applications:</b> Flow-Cyt (1µg /test)</p> <p><b>Reactivity:</b> Human (predicted: Mouse, Rat, Cow, Chicken, Dog, Horse)</p> <p><b>Predicted MW.:</b> 174 kDa</p> <p><b>Subcellular Location:</b> Cell membrane</p>
---	--

**— VALIDATION IMAGES —**

Blank control(blue): Jurkat (fixed with 2% paraformaldehyde (10 min)). Primary Antibody:Rabbit Anti-phospho-ALK (Tyr1278 + Tyr1282 + Tyr1283) antibody(bs-3021R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions ); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.