

**bs-11530R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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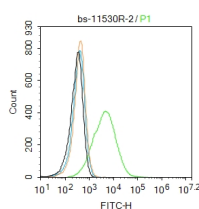
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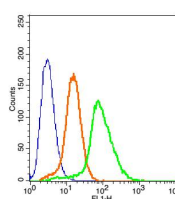
400-901-9800

**LAR Rabbit pAb****DATASHEET**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 5792 <b>Target:</b> LAR <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PTPRF: 30-100/1907. < Extracellular > <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <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. <b>Background:</b> The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pathogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]	<b>Isotype:</b> IgG <b>SWISS:</b> P10586 <b>Applications:</b> Flow-Cyt (1µg/Test) <b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Sheep, Cow, Dog, Horse) <b>Predicted MW.:</b> 210 kDa <b>Subcellular Location:</b> Cell membrane
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**VALIDATION IMAGES**

Blank control:MCF7. Primary Antibody (green line): Rabbit Anti-LAR antibody (bs-11530R)  
Dilution: 2µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were 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.



Blank control(blue): HeLa Cells(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-LAR/AF488 Conjugated antibody (bs-11530R-AF488), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF488(orange) ,used under the same conditions.