

**bs-11055R****[ Primary Antibody ]****BioSS**  
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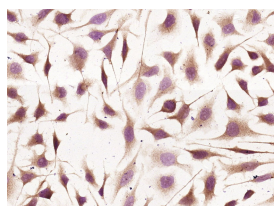
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**Laminin alpha 4 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> ICC/IF (1:100-500)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Sheep, Cow, Dog, Horse)
<b>GeneID:</b> 3910	<b>SWISS:</b> Q16363	<b>Predicted MW.:</b> 200 kDa
<b>Target:</b> Laminin alpha 4		<b>Subcellular Location:</b> Secreted ,Extracellular matrix ,Cell membrane
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Laminin alpha 4: 901-1000/1823.		
<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> Laminins are essential and abundant structural non-collagenous glyco- proteins localizing to basement membranes. Basement membranes (cell-associated extracellular matrices (ECMs)) are polymers of laminins with stabilizing Type IV collagen networks, Nidogen, and several proteoglycans. Basement membranes are found under epithelial layers, around the endothelium of blood vessels, and surrounding muscle, peripheral nerve, and fat cells. Formation of basement membranes influences cell proliferation, phenotype, migration, gene expression, and tissue architecture. Each laminin is a heterotrimer of $\alpha$ , $\beta$ , and $\gamma$ chain subunits that undergoes cell-secretion and incorporation into the ECM. Laminins can self-assemble, bind to other matrix macromolecules, and have unique and shared cell interactions mediated by integrins, dystroglycan, and cognate laminin receptors. The human Laminin $\alpha$ -4 gene maps to chromosome 6q21 and is expressed in adult heart, lung, ovary, small and large intestines, liver, and placenta.		

**— VALIDATION IMAGES —**

Tissue/cell: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Laminin alpha 4) Polyclonal Antibody, Unconjugated (bs-11055R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=2.795]** Wan Q et al. Overexpression of laminin  $\alpha$ 4 facilitates proliferation and migration of fibroblasts in knee arthrofibrosis by targeting canonical Shh/Gli1 signaling. Connect Tissue Res. 2020 Jun 10;1-11. IHC ;Rabbit. 32449381

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