

**bs-5098R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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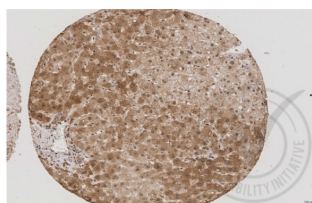
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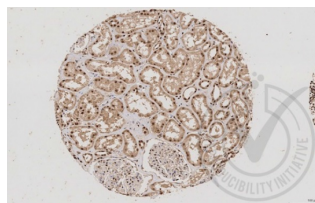
400-901-9800

**IGFBP7 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 3490 <b>Target:</b> IGFBP7 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IGFBP7: 131-230/282. <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> IGF-BPs form high affinity complexes with both IGF-I and IGF-II and act to control of the distribution, function and activity of IGFs in various cell tissues and body fluids. There are seven named IGF-BPs. IGFBP7 plays a role in skeletal myogenesis by binding to IGF in a manner that inhibits IGF induced differentiation of skeletal myoblasts, without affecting IGF induced proliferation. Additionally, IGFBP7 suppresses growth and colony formation of prostate and breast cancer cell lines through an IGF independent mechanism, which causes a delay in the G1 phase of the cell cycle, and increased apoptosis. IGFBP7 is expressed in a wide range of normal human tissues and it usually shows reduced expression in cancer cell lines of prostate, breast, colon, and lung origin.	<b>Isotype:</b> IgG <b>SWISS:</b> Q16270 <b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Human, Rat (predicted: Mouse, Sheep, Cow, Dog) <b>Predicted MW.:</b> 26 kDa <b>Subcellular Location:</b> Secreted
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**— VALIDATION IMAGES —**

Independently Validated Antibody, image provided by Science Direct, badge number 02663:Formalin-fixed and paraffin embedded human liver labeled with Anti-IGFBP7 Polyclonal Antibody, Unconjugated (bs-5098R) at 1:250 overnight at 25C followed by conjugation to the secondary antibody and DAB staining. Positive Control has great staining, however it may be nonspecific.



Independently Validated Antibody, image provided by Science Direct, badge number 02663:Formalin-fixed and paraffin embedded human kidney labeled with Anti-IGFBP7 Polyclonal Antibody, Unconjugated (bs-5098R) at 1:250 overnight at 25C followed by conjugation to the secondary antibody and DAB staining. Positive Control has great staining, however it may be nonspecific.

**— SELECTED CITATIONS —**

- **[IF=4.268]** Qin Yang. et al. Gypenoside XLIX protects against acute kidney injury by suppressing IGFBP7/IGF1R-mediated programmed cell death and inflammation. Phytomedicine. 2021 Mar;;153541 WB ;Human. 33773190