

bs-1864R**[Primary Antibody]**

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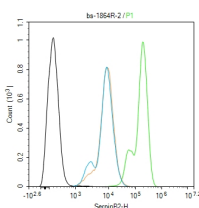
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SerpinB2 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 5055 Target: SerpinB2 Immunogen: KLH conjugated synthetic peptide derived from human PAI-2: 131-230/415. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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. Background: SerpinB2 is a serine proteinase inhibitor of the ovalbumin like B clade of serpins. It was first discovered in the placenta, and given the name PAI-2 because of the ability to inhibit urokinase plasminogen activator (u-PA) at low micromolar efficiency. SerpinB2 also inhibits tissue plasminogen activator (t-PA), but with micromolar efficiency, and PAI-1 is much more efficient than SerpinB2 on both forms of plasminogen activator. The structure of PAI-2 is not terribly similar to PAI-1, however, which is an E clade serpin. SerpinB2 is made by many cell types, and is found intracellularly as an unglycosylated kDa protein, and secreted as a 60 kDa protein. SerpinB2 is found in saliva, secreted by gingival fibroblasts, and in the skin. SerpinB2 levels are elevated in serum during pregnancy, and in leukemia, breast cancer and ovarian cancer, although it was lowered in some cancers. A shorter SerpinB2 isoform of 382 amino acids, has been reported, with a predicted mass of 43.1 kDa and a pI of 5.69. The shorter form has a deletion just after the start of the mature protein, but it is unclear what the relative production and distribution is for the shorter sequence.	Isotype: IgG SWISS: P05120 Applications: Flow-Cyt (2ug/Test) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog) Predicted MW.: 47 kDa Subcellular Location: Secreted ,Extracellular matrix ,Cytoplasm
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— VALIDATION IMAGES —

Blank control (black line) :SH-SY5Y. Primary Antibody (green line): Rabbit Anti-SerpinB2 antibody (bs-1864R) Dilution:2ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then 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.

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