bs-8518R **[Primary Antibody]**

SPP24 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6694

Target: SPP24

Immunogen: KLH conjugated synthetic peptide derived from human SPP24/SPP2: 55-160/211.

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: SPP24, also known as secreted phosphoprotein 2, is a 211 amino acid secreted protein that belongs to the cystatin superfamily. Expressed in liver and plasma, SPP24 may play a role in coordinating an aspect of bone turnover. The gene that encodes SPP24 maps to human chromosome 2, which consists of 237 million bases encoding over 1,400 genes, making up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr鳇 syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Human)

Predicted MW.: 16/21 kDa

Subcellular Location: Secreted