

**bs-9433R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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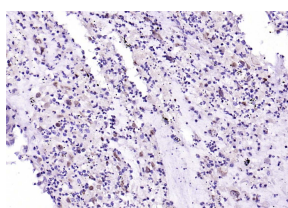
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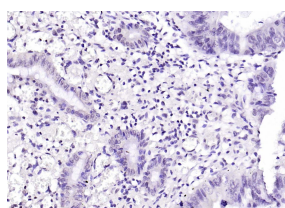
400-901-9800

**FIGNL1 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 63979 <b>Target:</b> FIGNL1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human FIGNL1: 501-600/674. <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> FIGNL1 is a 674 amino acid protein belonging to the AAA ATPase family. FIGNL1 exists as a hexamer that undergoes alternative splicing to produce two isoforms. FIGNL1 utilizes magnesium as a cofactor and is phosphorylated upon DNA damage, probably by ATM or ATR. FIGNL1 is suggested to regulate osteoblast proliferation and differentiation. FIGNL1 is encoded by a gene located on human chromosome 7, which consists about 158 million bases, encodes over 1000 genes and makes up about 5% of the human genome. Chromosome 7 has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfot and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.	<b>Isotype:</b> IgG <b>SWISS:</b> Q6PIW4	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200)
		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Chicken, Horse)
		<b>Predicted MW.:</b> 74 kDa
		<b>Subcellular Location:</b> Cytoplasm ,Nucleus

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FIGNL1) Polyclonal Antibody, Unconjugated (bs-9433R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FIGNL1) Polyclonal Antibody, Unconjugated (bs-9433R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

**— SELECTED CITATIONS —**

- **[IF=3.248]** Chenxu Meng. et al. FIGNL1 is a potential biomarker of cisplatin resistance in non-small cell lung cancer:. INT

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

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