

bs-6558R**[Primary Antibody]****OLFM4 Rabbit pAb****BioSS**
ANTIBODIES

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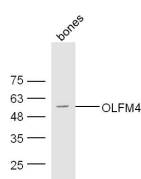
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 10562 Target: OLFM4 Immunogen: KLH conjugated synthetic peptide derived from human OLFM4: 111-510/510. 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: Olfactomedin-4, also known as G-CSF-stimulated clone 1 protein, Antiapoptotic protein GW112, and OLFM4, is a secreted protein which contains one olfactomedin-like domain. OLFM4 is expressed during myeloid lineage development. It is strongly expressed in the prostate, small intestine and colon and moderately expressed in the bone marrow and stomach. OLFM4 is highly expressed in pancreatic cancer tissues and shows an elevated expression level during the early S phase of the cell cycle. It is also expressed at high levels in stomach cancer and colon cancer tissues. Inhibition of ROS or the ERK pathway remarkably decreased G-CSF-induced OLFM4 expression. OLFM4 is an antiapoptotic factor that promotes tumor growth. OLFM4 promotes proliferation of pancreatic cancer cells by favoring the transition from the S to G2/M phase. OLFM4 also facilitates cell adhesion. Induction of OLFM4 in cancer cells was reported to have a novel antiapoptotic action via binding to the potent apoptosis inducer GRIM-19. The human OLFM4 is also thought to be a useful marker for early myeloid development.	Isotype: IgG SWISS: Q6UX06 Applications: WB (1:500-2000) Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Dog) Predicted MW.: 55 kDa Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Bone (Mouse) Lysate at 40 ug Primary:

Anti-OLFM4 (bs-6558R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at

1/20000 dilution Predicted band size: 55 kD

Observed band size: 55 kD

— SELECTED CITATIONS —

- **[IF=7.31]** Zhang Fangbo. et al. Qinbaohong Zhike Oral Liquid Attenuates LPS-Induced Acute Lung Injury in Immature Rats by Inhibiting OLFM4. OXID MED CELL LONGEV. 2022;2022:7272371 WB ;Rat. 36035204