

bs-6264R**[Primary Antibody]**

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

EMP2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse) Predicted MW.: 19/24 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 2013	SWISS: P54851	
Target: EMP2		
Immunogen: KLH conjugated synthetic peptide derived from human EMP2: 65-167/167.		
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: EMP-2 is a 167 amino acid multi-pass membrane protein that contains four-transmembrane domains and belongs to the GAS3/PMP22 (growth arrest-specific-3/peripheral myelin protein-22) family. Localized to lipid raft domains in the plasma membrane, EMP-2 regulates the expression of several target proteins and is necessary for blastocyst implantation in the uterine endometrium. Specifically, EMP-2 mediates blastocyst implantation by controlling the cell membrane expression of MHC and glycosylphosphatidylinositol-anchored proteins, as well as Integrins and caveolin-1. In adult tissues, EMP-2 is expressed in heart, lung, ovary and intestine, while fetal expression is highest in kidney, brain and liver. Overexpression of EMP-2 is associated with endometrial adenocarcinoma, suggesting a possible role for EMP-2 in tumorigenesis.		

— SELECTED CITATIONS —

- **[IF=7.273]** Torella D et al. MicroRNA Regulation of the Hyper-Proliferative Phenotype of Vascular Smooth Muscle Cells in Diabetes Mellitus.(2018) Diabetes. Sep 26 IF ;Rat. 30257973
- **[IF=3.117]** Pan, Jian. et al. miR-340-5p mediates the therapeutic effect of mesenchymal stem cells on corneal neovascularization. 2021 Sep 08 WB ;human,rat. 34495369