

bs-16409R**[Primary Antibody]****ZBPB2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Horse) Predicted MW.: 36 kDa Subcellular Location: Secreted
Clonality: Polyclonal		
GeneID: 124626	SWISS: Q6X784	
Target: ZBPB2		
Immunogen: KLH conjugated synthetic peptide derived from human ZBPB2: 51-150/338.		
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: Mammalian gametes recognize each other when the plasma membrane of the sperm head binds to the zona pellucida (ZP), an extracellular coat surrounding eggs. The zona pellucida is composed of four major glycoproteins expressed in oocytes, ZP1, ZP2, ZP3 and ZP4. Important receptors of zona pellucida on sperm are the zona pellucida binding proteins (ZPBPs). ZPBPs are suggested to play an essential role in sperm-egg interaction. ZBPB2 (zona pellucida binding protein 2), also known as ZPBPL, is a 338 amino acid secreted protein that belongs to the zona pellucida-binding protein Sp38 family. Mutations in the gene encoding ZBPB2 may cause subfertility. ZBPB2 exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 17q12.		