

bs-5872R**[Primary Antibody]****plasma kallikrein B1 heavy chain Rabbit pAb****Bioss**
ANTIBODIES

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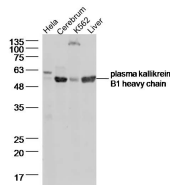
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Cow, Dog)
GeneID: 3818	SWISS: P03952	
Target: plasma kallikrein B1 heavy chain		Predicted MW.: 41 kDa
Immunogen: KLH conjugated synthetic peptide derived from human plasma kallikrein B1 heavy chain: 451-550/638.		Subcellular Location: Secreted
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: Plasma prekallikrein is a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. It is synthesized in the liver and secreted into the blood as a single polypeptide chain. Plasma prekallikrein is converted to plasma kallikrein by factor XIIa by the cleavage of an internal Arg-Ile bond. Plasma kallikrein therefore is composed of a heavy chain and a light chain held together by a disulphide bond. The heavy chain originates from the amino-terminal end of the zymogen and contains 4 tandem repeats of 90 or 91 amino acids. Each repeat harbors a novel structure called the apple domain. The heavy chain is required for the surface-dependent pro-coagulant activity of plasma kallikrein. The light chain contains the active site or catalytic domain of the enzyme and is homologous to the trypsin family of serine proteases. Plasma prekallikrein deficiency causes a prolonged activated partial thromboplastin time in patients. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

Sample: HeLa(human)cell Lysate at 30 ug
 Cerebrum(mouse) Lysate at 40 ug
 K562(human)cell Lysate at 30 ug liver(mouse)
 Lysate at 40 ug Primary: Anti-plasma kallikrein
 B1 heavy chain (bs-5872R) at 1/500 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 41kD
 Observed band size: 55 kD

— SELECTED CITATIONS —

- **[IF=4.9]** Benyamin et al. Identification of novel loci affecting circulating chromogranins and related peptides. (2017) Hum.Mol.Genet. 26:233-242 ICC ;Rat. 28011710
- **[IF=3.571]** Zhang W et al. Theaflavin TF3 relieves hepatocyte lipid deposition through activating AMPK signaling

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

pathway by targeting plasma kallikrein. J Agric Food Chem. 2020 Mar 4;68(9):2673-2683. WB ;Human. 32050765