

bs-1967R**[Primary Antibody]****KLK9 Rabbit pAb****BioSS**
ANTIBODIES

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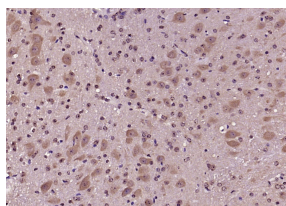
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 284366 Target: KLK9 Immunogen: KLH conjugated synthetic peptide derived from human KLK9: 51-150/250. 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: Kallikrein 9, also known as Kallikrein-Like 3 (KLK-L3), is a chymotrypsin-like serine proteinase. Kallikrein 9 was discovered as the locus for kallikreins on chromosome 19 was more fully mapped and found by similarity to the other tissue kallikreins. Kallikrein 9 has been found in the ovary, thymus, testis, prostate, skin, breast and neuronal tissues and is made by many cell lines in culture. Kallikrein 9 levels in breast cancer and uterine cancer patients have been reported to drop as the disease progresses, thus hK9 might be considered a favorable prognostic marker. Different splice variants of hK9 have been reported, although it is not yet known if they produce functional proteins. The full length Kallikrein 9 encodes for a 250 amino acid protein, with a predicted mass of 27.5 kDa and a pI of 7.53. The 234 amino acid form predicts a protein of 26 kDa with a pI of 9.76 and this quite basic pI might give the shorter form a very different function or localization. The shorter sequence also diverges before the catalytic serine residue, making it unlikely to be proteolytically active. Pre-pro-kallikrein 9 has the 17 amino acid signal sequence is removed before secretion, and the Pro-kallikrein 9 is activated to Kallikrein 9 by removal of the 5 amino acid propeptide domain.	Isotype: IgG SWISS: Q9UKQ9 Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse (predicted: Human, Rat, Horse) Predicted MW.: 26 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); 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 (KLK9) Polyclonal Antibody, Unconjugated (bs-1967R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.