激肽释放酶 9 抗体（舒血管素 9）

产品货号： mlR1967

英文名称： KLK9

中文名称： 激肽释放酶 9 抗体（舒血管素 9）

别　　名： Kallikrein 8; Kallikrein 9; Kallikrein L3; Kallikrein Like 3; Kallikrein like protein 3; kallikrein related peptidase 9; Kallikrein-9; Kallikrein-like protein 3; Kallikrein8; Kallikrein9; KLK 8; KLK 9; KLK L3; KLK-L3; KLK8; KLK9; KLK9_HUMAN; KLKL 3; KLKL3.

研究领域： 肿瘤　细胞生物　信号转导　激酶和磷酸酶　细胞骨架　细胞外基质

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应　： Human, Mouse, Rat, Horse,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 26kDa

细胞定位： 分泌型蛋白

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human KLK9:51-150/250

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： ubMed

产品介绍： 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.

Subcellular Location:

Secreted (Probable).

Tissue Specificity:

Skin, thymus, trachea, cerebellum and spinal cord.

Similarity:

Belongs to the peptidase S1 family. Kallikrein subfamily.

Contains 1 peptidase S1 domain.

SWISS:

Q9UKQ9

Gene ID:

284366

Important Note:

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

KLK9 目前认为是卵巢癌　宫颈癌　子宫内膜癌等其他肿瘤,很有意义的标志物。激肽释放酶 KLK 是激肽系统的主要限速酶，它是一组存在于多数组织和体液中的丝氨酸蛋白酶，是一种肽链内切酶。KLK 又称血管舒缓素，包括 15 个家族成员。在不同的组织中广泛表达,具有蛋白水解酶的活性。它特异性的在碳末端切割底物肽，可裂解激肽原释放具有活性的激肽，由激肽发挥对心血管系统及肾脏功能的调节作用。

组织 KLK 是一个大的基因家族，主要分布在肺、肾、血管、脑、肾上腺组织，为一种中等大小的糖蛋白。