

Rabbit anti-Human, mouse Kallikrein 4 (KLK4) Polyclonal Antibody | anti-KLK4 antibody

Kallikrein 4 (KLK4) Antibody (Center)

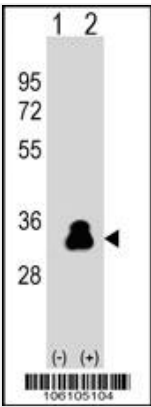
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285325	Rabbit	Human, mouse	ELISA, Western Blot

PRODUCT SYNONYMS

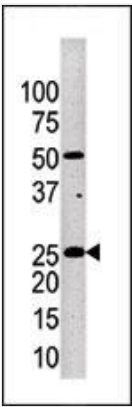
Kallikrein 4 (KLK4); Polyclonal Antibody; Kallikrein 4 (KLK4) Antibody (Center); Kallikrein-4; 3421-; Enamel matrix serine proteinase 1; Kallikrein-like protein 1; KLK-L1; Prostate; Serine protease 17; KLK4; EMSP1; PRSS17; PSTS; anti-KLK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Kallikrein 4 (KLK4) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-115 amino acids from the Central region of human Kallikrein 4 (KLK4).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	85-115
Sequence Length	110
Applicable Applications for anti-KLK4 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of KLK4 (arrow) using rabbit polyclonal KLK4 Antibody (S100). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the KLK4 gene.



WB (Western Blot)
Western blot analysis of anti-KLK4 Pab in mouse brain tissue lysate. KLK4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KLK4 antibody	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. In some tissues KLK4 expression is hormonally regulated. The expression pattern of a similar mouse protein in murine developing teeth supports a role for the protein in the degradation of enamel proteins.
Product Categories/Family for anti-KLK4 antibody	Cancer; Cell Biology; Signal transduction
References	Hart, P.S., et al., J. Med. Genet. 41(7):545-549 (2004). Xi, Z., et al., Cancer Res. 64(7):2365-2370 (2004). Hural, J.A., et al., J. Immunol. 169(1):557-565 (2002). Takayama, T.K., et al., Biochemistry 40(50):15341-15348 (2001). Korkmaz, K.S., et al., DNA Cell Biol. 20(7):435-445 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	89142741
NCBI GeneID	9622
NCBI Accession #	NP_004908.3
NCBI GenBank Nucleotide #	NM_004917.3
UniProt Accession #	Q9Y5K2; Q4VB16; Q96RU5; Q9GZL6; Q9UBJ6
Molecular Weight	27032
NCBI Official Full Name	kallikrein-4 preproprotein
NCBI Official Synonym Full Names	kallikrein-related peptidase 4
NCBI Official Symbol	KLK4
NCBI Official Synonym Symbols	ARM1; EMSP; PSTS; AI2A1; EMSP1; KLK-L1; PRSS17; kallikrein
NCBI Protein Information	kallikrein-4
UniProt Protein Name	Kallikrein-4
UniProt Gene Name	KLK4
UniProt Synonym Gene Names	EMSP1; PRSS17; PSTS; KLK-L1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kallikrein-4-klk4-antibody-western-blot-elisa/285325>