

ARG54623 anti-KLK4 antibody

Package: 50 μg Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KLK4
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody recognizes the geneproduct hk4 of human KLK4 (alsoknown as KLK-L1), one of the manykallikrein serine proteases associated with carcinogenesis. KLK4 is upregulatedby androgens and progestinsand has been associated with prostateand breast cancers and possibly withother cancers.
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	KLK4
Species	Human
Immunogen	Peptide corresponding to aa242-254 of human KLK4 protein
Conjugation	Un-conjugated
Alternate Names	PSTS; Enamel matrix serine proteinase 1; Kallikrein-like protein 1; EMSP; PRSS17; ARM1; Serine protease 17; KLK-L1; Kallikrein-4; EC 3.4.21; Prostase; EMSP1; Al2A1; kallikrein

Application Instructions

Application Note	Western blot: use at 1:500 - 1:1,000 dilution. A band of approximately 39 kD is detected.
	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations
	should be determined by the scientist.

Properties

Form	Liquid
Purification	affinity-purified antibody
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

	Swiss-port # Q9Y5K2 Human
Gene Symbol	KLK4
Gene Full Name	kallikrein-related peptidase 4
Background	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. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. In some tissues its 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. Several transcript variants encoding different proteins have been found for this gene. [provided by RefSeq, Dec 2014]
Function	Involved in enamel formation. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	27 kDa
РТМ	N-glycosylated. The N-glycan structures are of complex diantennary or triantennary type, which may be further modified with up to 2 sialic acid residues.