

Rabbit anti-Human KLK6 Polyclonal Antibody | anti-KLK6 antibody

KLK6 Antibody

CATALOG # AAA323543	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	--

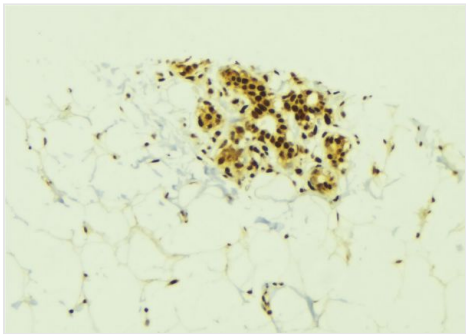
PRODUCT SYNONYMS

KLK6; Polyclonal Antibody; KLK6 Antibody; Bssp; hK 6; hK6; Kallikrein 6 precursor; Kallikrein related peptidase 6; Kallikrein-6; Kallikrein6; KLK 6; Klk 7; KLK 9; Klk29; Klk6; KLK6_HUMAN; Klk7; KLK9; MGC9355; mGK 1; mGK1; MSP; Neurosin; Protease M; Protease serine 18; Protease serine 9; PRSS 18; PRSS 9; PRSS18; PRSS9; Serine protease 18; Serine protease 9; SP 59; SP59; Tissue kallikrein; TK; Zyme; anti-KLK6 antibody

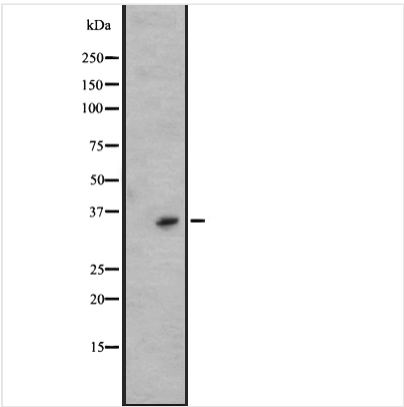
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	KLK6 antibody detects endogenous levels of total KLK6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	244
Applicable Applications for anti-KLK6 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Secreted. Nucleus > nucleolus. Cytoplasm. Mitochondrion. Microsome. In brain, detected in the nucleus of glial cells and in the nucleus and cytoplasm of neurons. Detected in the mitochondrial and microsomal fractions of HEK-293 cells and released into the cytoplasm following cell stress.
Tissue Specificity	In fluids, highest levels found in milk of lactating women followed by cerebrospinal fluid, nipple aspirate fluid and breast cyst fluid. Also found in serum, seminal plasma and some amniotic fluids and breast tumor cytosolic extracts. Not detected in urine. At the tissue level, highest concentrations found in glandular tissues such as salivary glands followed by lung, colon, fallopian tube, placenta, breast, pituitary and kidney. Not detected in skin, spleen, bone, thyroid, heart, ureter, liver, muscle, endometrium, testis, pancreas, seminal vesicle, ovary, adrenals and prostate. In brain, detected in gray matter neurons (at protein level). Colocalizes with pathological inclusions such as Lewy bodies and glial cytoplasmic inclusions. Overexpressed in primary breast tumors but not expressed in metastatic tumors.
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)
AAA323543 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of KLK6 expression in A431 whole cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KLK6 antibody	Description: Serine protease which exhibits a preference for Arg over Lys in the substrate P1 position and for Ser or Pro in the P2 position. Shows activity against amyloid precursor protein, myelin basic protein, gelatin, casein and extracellular matrix proteins such as fibronectin, laminin, vitronectin and collagen. Degrades alpha-synuclein and prevents its polymerization, indicating that it may be involved in the pathogenesis of Parkinson disease and other synucleinopathies. May be involved in regulation of axon outgrowth following spinal cord injury. Tumor cells treated with a neutralizing KLK6 antibody migrate less than control cells, suggesting a role in invasion and metastasis. Post-translational Modifications: Inactivated by autolytic cleavage after Arg-80. Similarity: Belongs to the peptidase S1 family. Kallikrein subfamily.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	61744424
NCBI GeneID	5653
NCBI Accession #	NP_001012982.1
NCBI GenBank Nucleotide #	NM_001012964.2
UniProt Accession #	Q92876; Q6H301; A6NJA1; A8MW09
Molecular Weight	Observed: 30 kDa Predicted: 27 kDa
NCBI Official Full Name	kallikrein-6 isoform A preproprotein
NCBI Official Synonym Full Names	kallikrein related peptidase 6
NCBI Official Symbol	KLK6
NCBI Official Synonym Symbols	hK6; Bssp; Klk7; SP59; PRSS9; PRSS18
NCBI Protein Information	kallikrein-6
UniProt Protein Name	Kallikrein-6
UniProt Gene Name	KLK6
UniProt Synonym Gene Names	PRSS18; PRSS9

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.

