

KLK6 / Kallikrein 6 Antibody (aa145-156)
Goat Polyclonal Antibody
Catalog # ALS16151**Specification**

KLK6 / Kallikrein 6 Antibody (aa145-156) - Product Information

Application	IHC
Primary Accession	O92876
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	27kDa KDa

KLK6 / Kallikrein 6 Antibody (aa145-156) - Additional Information**Gene ID** 5653**Other Names**

Kallikrein-6, 3.4.21.-, Neurosin, Protease M, SP59, Serine protease 18, Serine protease 9, Zyme, KLK6, PRSS18, PRSS9

Target/Specificity

Human KLK6 / Kallikrein 6. This antibody is expected to recognize both reported isoforms (NP_002765.1; NP_001012983.1). Reported variants represent identical protein: NP_002765.1, NP_001012982.1.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

KLK6 / Kallikrein 6 Antibody (aa145-156) is for research use only and not for use in diagnostic or therapeutic procedures.

KLK6 / Kallikrein 6 Antibody (aa145-156) - Protein Information**Name** KLK6**Synonyms** PRSS18, PRSS9**Function**

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.

Cellular Location

Secreted. Nucleus, nucleolus. Cytoplasm. Mitochondrion. Microsome. Note=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 Location

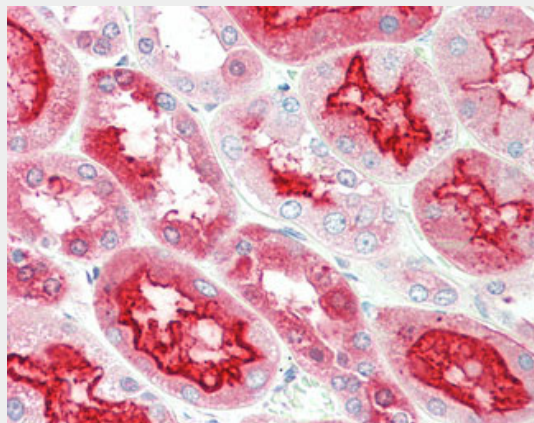
In fluids, highest levels found in milk of lactating women followed by cerebrospinal fluid, nipple aspirate fluid and breast cyst fluid. Also found in serum, seminal plasma and some amniotic fluids and breast tumor cytosolic extracts. Not detected in urine. At the tissue level, highest concentrations 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.

KLK6 / Kallikrein 6 Antibody (aa145-156) - Protocols

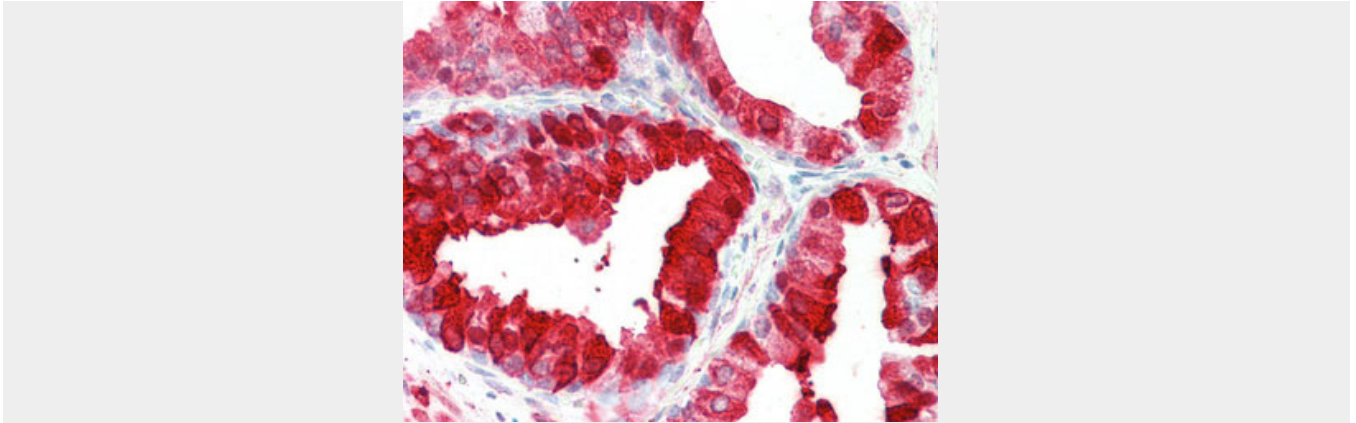
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KLK6 / Kallikrein 6 Antibody (aa145-156) - Images



Anti-KLK6 / Kallikrein 6 antibody IHC staining of human kidney.



Anti-KLK6 / Kallikrein 6 antibody IHC staining of human prostate.

KLK6 / Kallikrein 6 Antibody (aa145-156) - Background

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.

KLK6 / Kallikrein 6 Antibody (aa145-156) - References

- Anisowicz A.,et al.Mol. Med. 2:624-636(1996).
- Yamashiro K.,et al.Biochim. Biophys. Acta 1350:11-14(1997).
- Little S.P.,et al.J. Biol. Chem. 272:25135-25142(1997).
- Yousef G.M.,et al.Genomics 62:251-259(1999).
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