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KLK6 / Kallikrein 6 Antibody (aa145-156)

Goat Polyclonal Antibody
Catalog # ALS16151

Specification

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

Application	**IHC**
Primary Accession	Q92876
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

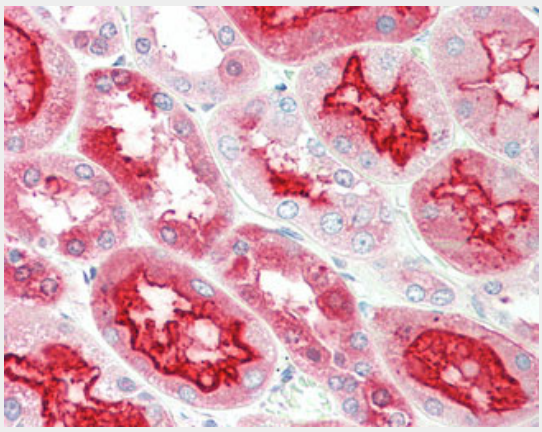
Tissue Location
In fluids, highest levels found in milk of lactating women followed by cerebrospinal fluid, nipple aspirate fluid and breast cyst fluid. Also found in serum, seminal plasma and some amniotic fluids and breast tumor cytosolic extracts. Not detected in urine. At the tissue level, highest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

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



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

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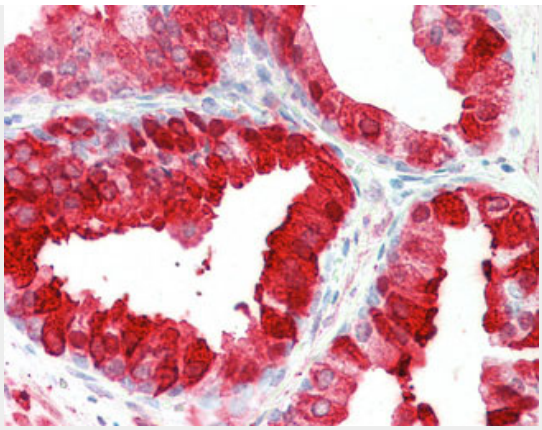

Anti-KLK6 / Kallikrein 6 antibody IHC staining of human prostate.

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

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