

Anti-Kallikrein 6/KLK6 Antibody

Catalog Number: PA1767

About KLK6

KLK6 (Kallikrein-related peptidase 6), also called KALLIKREIN 6, NEUROSIN, PROTEASE M, ZYME or PRSS9, is a protein that in humans is encoded by the KLK6 gene. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. The encoded enzyme is regulated by steroid hormones. Northern blot analysis revealed that the PRSS9 mRNA was expressed in several primary tumors and cell lines from mammary, prostate, and ovarian cancers, but was not detected in any metastases of these cancers. The KLK6 gene is mapped on 19q13.41. In tissue culture, the enzyme has been found to generate amyloidogenic fragments from the amyloid precursor protein, suggesting a potential for involvement in Alzheimer's disease. Upon cellular stress, neurosin was released from mitochondria to the cytosol, which resulted in the increase of degraded alpha-synuclein species. Neurosin may play a significant role in physiologic alpha-synuclein degradation and also in the pathogenesis of synucleinopathies.

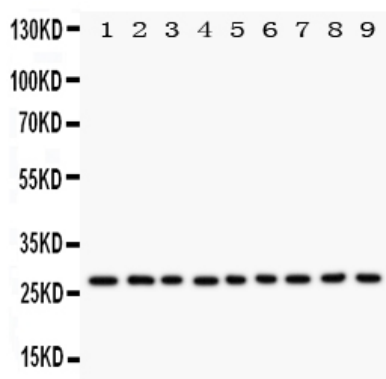
Overview

Product Name	Anti-Kallikrein 6/KLK6 Antibody
Reactive Species	Human
Description	Rabbit IgG polyclonal antibody for Kallikrein-6(KLK6) detection. Tested with WB, IHC-P, ICC in Human.
Application	IHC, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q92876

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Kallikrein 6(227-244aa YTNVCRYTNWIQKTIQAK).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and ICC.
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunocytochemistry , 0.5-1µg/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, By Heat Western blot, 0.1-0.5µg/ml, Human
	For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-Kallikrein 6/KLK6 Antibody (PA1767) Images



Anti-Kallikrein 6 antibody, PA1767, Western blotting

All lanes: Anti Kallikrein 6 (PA1767) at 0.5ug/ml

Lane 1: MCF-7 Whole Cell Lysate at 40ug

Lane 2: HELA Whole Cell Lysate at 40ug

Lane 3: MM231 Whole Cell Lysate at 40ug

Lane 4: MM453 Whole Cell Lysate at 40ug

Lane 5: A549 Whole Cell Lysate at 40ug

Lane 6: SMMC Whole Cell Lysate at 40ug

Lane 7: COLO320 Whole Cell Lysate at 40ug

Lane 8: SW620 Whole Cell Lysate at 40ug

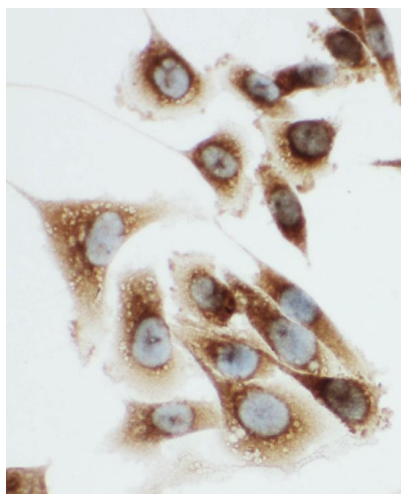
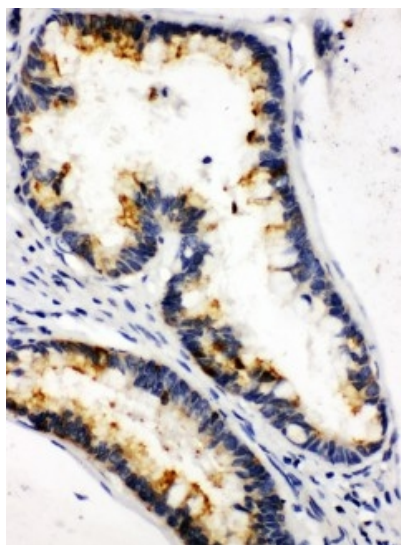
Lane 9: HT1080 Whole Cell Lysate at 40ug

Predicted bind size: 27KD

Observed bind size: 27KD

Anti-Kallikrein 6 antibody, PA1767, IHC(P)

IHC(P): Human Intestinal Cancer Tissue



Anti-Kallikrein 6 antibody, PA1767, ICC
ICC: PC-3 Cell

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