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KLK6 Polyclonal Antibody

(Catalog #A66674)

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.

Description
KLK6 Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
Liquid. 0.03% Proclin 300, 50% Glycerol, 0.01M PBS, PH 7.4.

Specificity
Human, Mouse

Isotype
IgG

Uniprot ID
Q92876

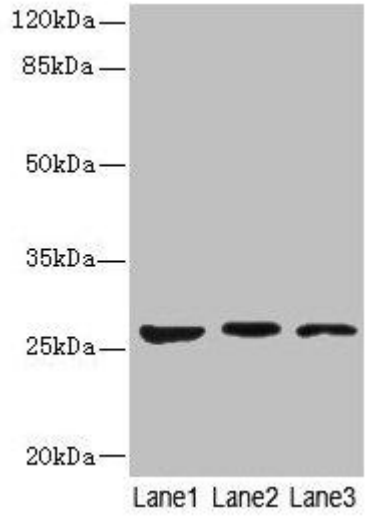
Purification
>95%, Protein G purified

Immunogen
Recombinant Human Kallikrein-6 protein (22-244AA)

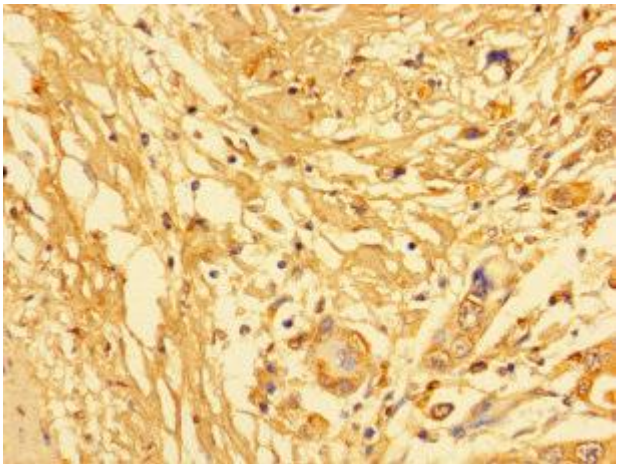
Storage
Shipped at 4°C. Upon delivery aliquot and store at -20°C (short-term) or -80°C (long-term). Avoid repeated freeze.

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

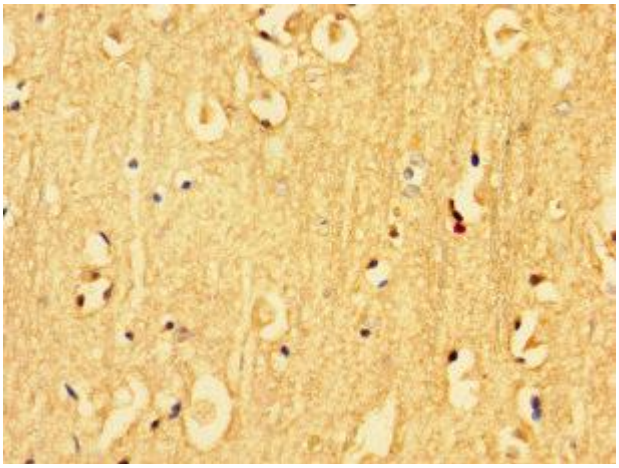
Application
ELISA, WB, IHC, IF; Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200



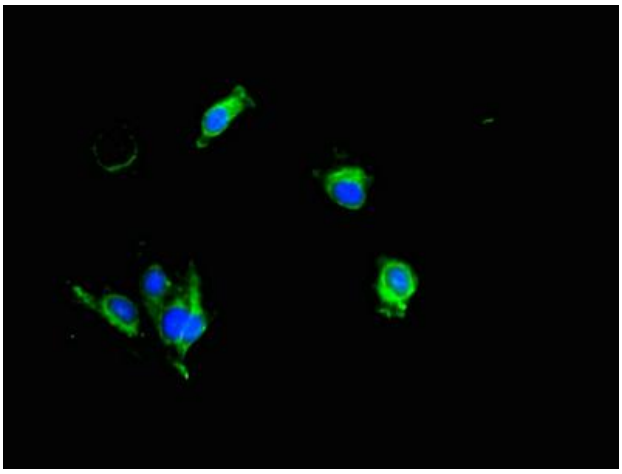
Western blot
All lanes: KLK6 antibody at 5ug/ml
Lane 1: Mouse liver tissue
Lane 2: Mouse brain tissue
Lane 3: A375 whole cell lysate
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution
Predicted band size: 27, 16, 5 kDa
Observed band size: 27 kDa



Immunohistochemistry of paraffin-embedded human pancreatic cancer using KLK6 Antibody at dilution of 1:100



Immunohistochemistry of paraffin-embedded human brain tissue using KLK6 Antibody at dilution of 1:100



Immunofluorescent analysis of Hela cells using KLK6 Antibody at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

