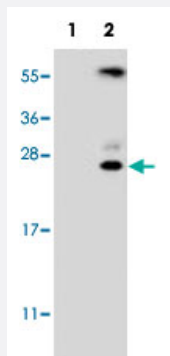


KLK6 polyclonal antibody

Catalog # PAB4412

Size 400 uL

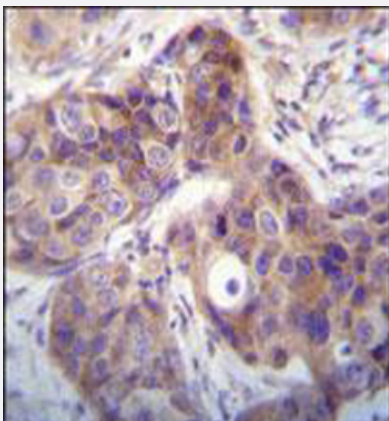
Applications



Western Blot (Transfected lysate)

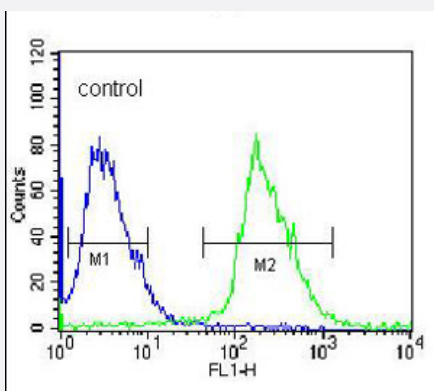
Western blot analysis of KLK6 (arrow) using KLK6 polyclonal antibody (Cat # PAB4412).

293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the KLK6 gene (Lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin fixed and paraffin embedded human breast cancer was performed with KLK6 polyclonal antibody (Cat # PAB4412) at 1:10-1:50 dilution followed by indirect peroxidase conjugation with secondary antibody and DAB staining.



Flow Cytometry

Flow cytometric analysis of 293 cells (right histogram), compared to a negative control cell (left histogram), was performed with KLK6 polyclonal antibody (Cat # PAB4412) and FITC-conjugated goat-anti-rabbit secondary antibody.

Specification

| | |
|----------------------------|---|
| Product Description | Rabbit polyclonal antibody raised against synthetic peptide of KLK6. |
| Immunogen | A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human KLK6. |
| Host | Rabbit |
| Reactivity | Human |
| Form | Liquid |
| Purification | Ammonium sulfate precipitation |
| Recommend Usage | Western Blot (1:1000) Immunohistochemistry (1:10-1:50) Flow Cytometry (1:10-1:50) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS (0.09% sodium azide) |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- Western Blot (Transfected lysate)

Western blot analysis of KLK6 (arrow) using KLK6 polyclonal antibody (Cat # PAB4412).
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the KLK6 gene (Lane 2).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin fixed and paraffin embedded human breast cancer was performed with KLK6 polyclonal antibody (Cat # PAB4412) at 1:10-1:50 dilution followed by indirect peroxidase conjugation with secondary antibody and DAB staining.

- Flow Cytometry

Flow cytometric analysis of 293 cells (right histogram), compared to a negative control cell (left histogram), was performed with KLK6 polyclonal antibody (Cat # PAB4412) and FITC-conjugated goat-anti-rabbit secondary antibody.

Gene Info — KLK6

| | |
|--------------------|---|
| Entrez GeneID | 5653 |
| Protein Accession# | NP_002765:Q92876 |
| Gene Name | KLK6 |
| Gene Alias | Bssp, Klk7, MGC9355, NEUROSIN, PRSS18, PRSS9, SP59, ZYME, hK6 |
| Gene Description | kallikrein-related peptidase 6 |
| Omim ID | 602652 |
| Gene Ontology | Hyperlink |
| Gene Summary | Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. 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. 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. Multiple alternatively spliced transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq] |
| Other Designations | kallikrein 6 (neurosin, zyme) protease M protease, serine, 18 protease, serine, 9 |

Publication Reference

- [Distinct promoters regulate tissue-specific and differential expression of kallikrein 6 in CNS demyelinating disease.](#)
 Christophi GP, Isackson PJ, Blaber S, Blaber M, Rodriguez M, Scarisbrick IA.
 Journal of Neurochemistry 2004 Dec; 91(6):1439.
- [Cloning and characterization of novel isoforms of the human kallikrein 6 gene.](#)
 Pampalakis G, Kurlender L, Diamandis EP, Sotiropoulou G.
 Biochemical and Biophysical Research Communications 2004 Jul; 320(1):54.
- [Human kallikrein 6 activity is regulated via an autoproteolytic mechanism of activation/inactivation.](#)
 Bayes A, Tsetsenis T, Ventura S, Vendrell J, Aviles FX, Sotiropoulou G.
 Biological Chemistry 2004 Jun; 385(6):517.

 Application: WB-Re, Recombinant protein

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Prostatic Neoplasms](#)