

Datasheet for ABIN7126456

anti-Kallikrein 5 antibody (AA 36-177)



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Overview

Quantity:	100 µg
Target:	Kallikrein 5 (KLK5)
Binding Specificity:	AA 36-177
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Kallikrein 5 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment of human KLK5 protein (around aa 36-177) (exact sequence is proprietary)
Isotype:	IgG2b
Specificity:	Kallikreins (KLKs) belong to the serine protease family of proteolytic enzymes. Human pancreatic/renal KLK encodes for the KLK1 enzyme, which is involved in post-translational processing of polypeptide precursors. The function of the other members of KLK gene family is still currently unknown, but evidence suggests that many KLKs are implicated in carcinogenesis. The human KLK gene family consists of 15 serine proteases. The human KLK genes are clustered on chromosome 19q13. Unlike other kallikreins, the KLK4-15 encoded proteases are less related and do not contain a conventional KLK loop. Clusters of genes exhibit high prostatic (KLK2-4, KLK15) or pancreatic (KLK6-13) expression. KLK2 is also known as glandular kallikrein 2, tissue kallikrein, or HGK-1 and KLK3 is known as prostate-specific

Product Details

antigen (PSA). Both KLK2 and KLK3 have important applications in prostate cancer and breast cancer diagnostics. Many of the KLKs are regulated by steroid hormones and a few of them, specifically KLK3, KLK6 and KLK10, are known to be downregulated in breast and other cancers. KLK5 expression is abundant in skin, mammary gland and testis.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: Kallikrein 5 (KLK5)

Alternative Name: KLK5 ([KLK5 Products](#))

Background: HK5, Kallikrein L2, Kallikrein like protein 2, Kallikrein related peptidase 5, Kallikrein-like protein 2 (KLKL2), Stratum corneum tryptic enzyme (SCTE),Kallikrein 5 (KLK5)
Cellular localisation: Secreted

Molecular Weight: 33kDa

Gene ID: 25818, 50915

UniProt: [Q9Y337](#)

Pathways: [Complement System](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

Application Details

Application Notes: Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: Human skin tissue (IHC). MCF-7 cell lysates.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Handling

Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months