

Anti-Kallikrein 5/KLK5 Antibody

Catalog Number: PA1630

About Klk5

KLK5 (Kallikrein-related peptidase 5), formerly known as stratum corneum tryptic enzyme (SCTE) or KLKL2, is a serine protease expressed in the epidermis. The KLK5 gene is one of the fifteen kallikrein subfamily members which is located on 19q13.41. KLK5 has been suggested to regulate cell shedding in conjunction with KLK7 and KLK14, given its ability to degrade proteins which form the extracellular component of cell junctions in the stratum corneum. The KLK5 gene contains 5 coding exons spanning 9.3. KLK5 expression is upregulated in a breast cancer cell line in the presence of estrogens and progestins and is associated with more aggressive forms of epithelial ovarian carcinoma.

Overview

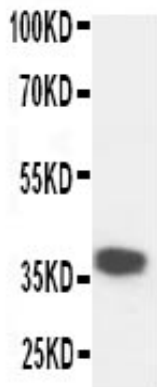
Product Name	Anti-Kallikrein 5/KLK5 Antibody
Reactive Species	Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Kallikrein 1-related peptidase b5 (KLK5) detection. Tested with WB, IHC-P in Mouse; Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 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	Q9D140

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Kallikrein 5 (278-293aa NLCEFVKWIKDTMNSN), different from the related rat sequence by three amino acids.
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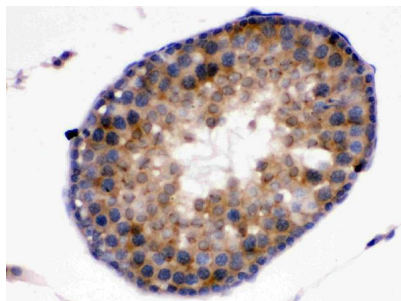
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Rat, Mouse, By Heat Western blot, 0.1-0.5µg/ml, Mouse For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-Kallikrein 5/KLK5 Antibody (PA1630) Images



Anti-Kallikrein 5 antibody, PA1630, Western blotting
WB: Mouse Liver Tissue Lysate

Anti-Kallikrein 5 antibody, PA1630, IHC(P)
IHC(P): Rat Testis Tissue



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