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Anti-Kallikrein 10 Antibody

Catalog # ABO11129

Product Information

Application	WB
Primary Accession	O43240
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Kallikrein-10(KLK10) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	5655
Other Names	Kallikrein-10, 3.4.21.-, Normal epithelial cell-specific 1, Protease serine-like 1, KLK10, NES1, PRSSL1
Calculated MW	30170
Application Details	Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Secreted .
Tissue Specificity	Expressed in breast, ovary and prostate.
Source	Eukaryota
Protein Name	Kallikrein-10
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Kallikrein 10(252-265aa SAQHPAVYTQICKY).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, 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.

Sequence Similarities	Belongs to the peptidase S1 family. Kallikrein subfamily.

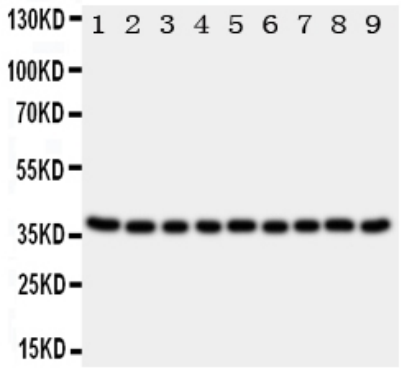
Protein Information

Name	KLK10
Synonyms	NES1, PRSSL1
Function	Has a tumor-suppressor role for NES1 in breast and prostate cancer.
Cellular Location	Secreted.
Tissue Location	Expressed in breast, ovary and prostate.

Background

KLK10(kallikrein-related peptidase 10) also known as kallikrein 10, PRSSL1 or NES1, belongs to the kallikrein subfamily of serine proteases, which are involved in a variety of enzymatic processes. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers.KLK10 also contains 12 conserved cysteines in its protease domain that are expected to form 6 disulfide bonds, as in other serine proteases. RT-PCR detected variable levels of KLK10 expression in nearly all of the 35 adult and fetal tissues examined. The KLK10 gene contains 6 exons, the first of which is noncoding. By fluorescence in situ hybridization, Polikoff et al.(1997) mapped the PRSSL1 gene to 19q13.3. By genomic sequence analysis, Gan et al.(2000) mapped the KLK10 gene within the KLK gene cluster on chromosome 19q13. This cluster includes 13 KLK genes and 5 pseudogenes.

Images



Anti-Kallikrein 10 antibody, ABO11129, Western blottingAll lanes: Anti Kallikrein 10 (ABO11129) at 0.5ug/mlLane 1: Rat Ovary Tissue Lysate at 50ugLane 2: Rat Testis Tissue Lysate at 50ugLane 3: Rat Spleen Tissue Lysate at 50ugLane 4: Rat Liver Tissue Lysate at 50ugLane 5: 22RV Whole Cell Lysate at 40ugLane 6: SROV Whole Cell Lysate at 40ugLane 7: HELA Whole Cell Lysate at 40ugLane 8: MCF-7 Whole Cell Lysate at 40ugLane 9: MM231 Whole Cell Lysate at 40ugPredicted bind size: 37KDObserved bind size: 37KD