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NES/Kallikrein 10 Rabbit pAb

Catalog # AP96974

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse NES/Kallikrein 10
Epitope Specificity	41-140/279
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Kallikrein 10 is a trypsin-like serine proteinase. Originally described from a subtractive library looking for genes that were down-regulated in breast cancer, kallikrein 10 was thought to be epithelial cell specific. Kallikrein 10 is reported to be up regulated in pancreatic cancer and ovarian cancer, but down regulated in testicular cancer and breast cancer, perhaps due to differential hormonal regulation, or tissue specificities. Breast cancer patients that had elevated kallikrein 10 had a worse prognosis, leading to speculation that kallikrein 10 might be protective in breast cancer, similar to the argument put forth for kallikrein 3 in prostate cancer. Kallikrein 10 is found in high levels in the pancreas and in lower levels in the tonsils, esophagus, skin, brain, testis and ovary. Biological fluids (breast milk, serum, seminal plasma, urine) contain kallikrein 10, the highest levels found in milk. The cerebral spinal fluid (CSF) contains Kallikrein 10, and was reported to be elevated in patients with Alzheimer's disease. Endogenous inhibitors include kallistatin, protein-C inhibitor and 1-proteinase inhibitor, although Kallikrein 10 can be found complexed to a number of different proteinase inhibitors.

Additional Information

Other Names	NES1; PRSSL1; KLK10_HUMAN; KLK10; Normal epithelial cell-specific 1; Protease serine-like 1; 3.4.21.-; kallikrein related peptidase 10; kallikrein 10
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Name	NES/Kallikrein 10 Rabbit pAb
Function	Has a tumor-suppressor role for NES1 in breast and prostate cancer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.