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KLK10 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14557a

Product Information

Application	WB, E
Primary Accession	O43240
Other Accession	NP_002767.2, NP_665895.1, NP_001070968.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34512
Calculated MW	30170
Antigen Region	22-51

Additional Information

Gene ID	5655
Other Names	Kallikrein-10, 3421-, Normal epithelial cell-specific 1, Protease serine-like 1, KLK10, NES1, PRSSL1
Target/Specificity	This KLK10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-51 amino acids from the N-terminal region of human KLK10.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	KLK10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

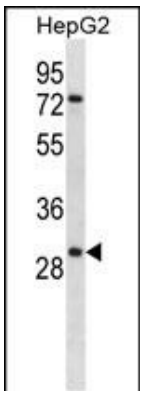
Background

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. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein. [provided by RefSeq].

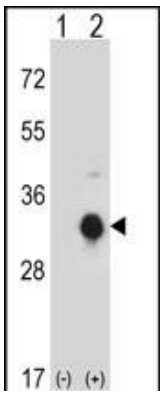
References

Batra, J., et al. Int. J. Gynecol. Cancer 20(4):529-536(2010)
Klein, R.J., et al. Cancer Prev Res (Phila) 3(5):611-619(2010)
Papageorgis, P., et al. Cancer Res. 70(3):968-978(2010)
Lu, C.Y., et al. Genes Chromosomes Cancer 48(12):1057-1068(2009)
Sardana, G., et al. Clin. Biochem. 42 (13-14), 1483-1486 (2009) :

Images



KLK10 Antibody (N-term) (Cat. #AP14557a) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the KLK10 antibody detected the KLK10 protein (arrow).



Western blot analysis of KLK10 (arrow) using rabbit polyclonal KLK10 Antibody (N-term) (Cat. #AP14557a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the KLK10 gene.