10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KLK10 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant KLK10.
Catalog # AT2640a

Product Information

Application	WB, IF, E
Primary Accession	O43240
Other Accession	NM_002776
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 lambda
Clone Names	1G8
Calculated MW	30170

Additional Information

Gene ID	5655
Other Names	Kallikrein-10, 3421-, Normal epithelial cell-specific 1, Protease serine-like 1, KLK10, NES1, PRSSL1
Target/Specificity	KLK10 (NP_002767, 167 a.a. ~ 276 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	KLK10 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

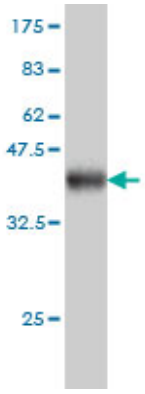
Background

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.

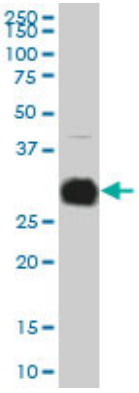
References

Kallikrein-related peptidase 10 (KLK10) expression and single nucleotide polymorphisms in ovarian cancer survival. Batra J, et al. Int J Gynecol Cancer, 2010 May. PMID 20686372.Blood biomarker levels to aid discovery of cancer-related single-nucleotide polymorphisms: kallikreins and prostate cancer. Klein RJ, et al. Cancer Prev Res (Phila), 2010 May. PMID 20424135.Smad signaling is required to maintain epigenetic silencing during breast cancer progression. Papageorgis P, et al. Cancer Res, 2010 Feb 1. PMID 20086175.Aberrant DNA methylation profile and frequent methylation of KLK10 and OXGR1 genes in hepatocellular carcinoma. Lu CY, et al. Genes Chromosomes Cancer, 2009 Dec. PMID 19760608.The kallikrein family of proteins as urinary biomarkers for the detection of prostate cancer. Sardana G, et al. Clin Biochem, 2009 Sep. PMID 19560453.

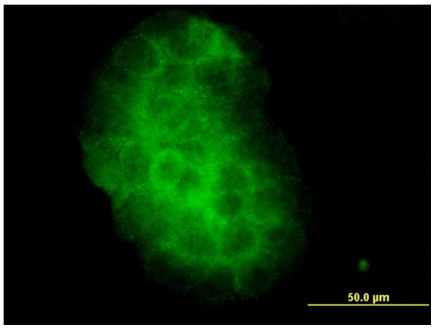
Images



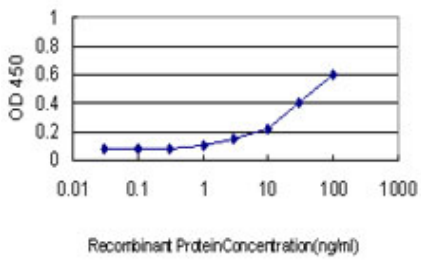
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



KLK10 monoclonal antibody (M01), clone 1G8 Western Blot analysis of KLK10 expression in A-431((Cat # AT2640a)



Immunofluorescence of monoclonal antibody to KLK10 on A-431 cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged KLK10 is approximately 1ng/ml as a capture antibody.

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