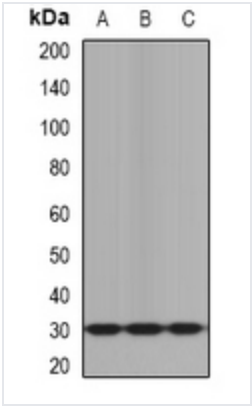
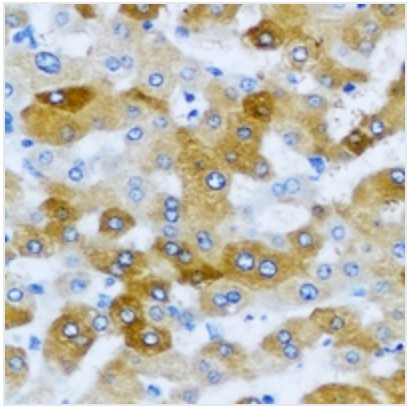
KLK10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

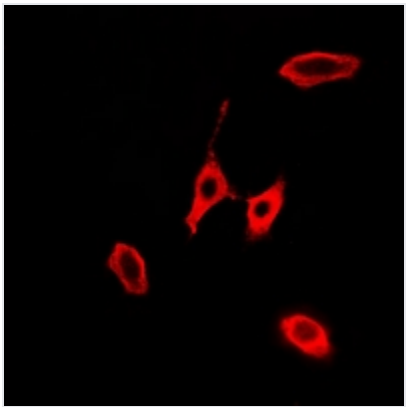
Product Name	KLK10, Polyclonal Antibody
Full Product Name	Anti-KLK10 Antibody
Product Gene Name	anti-KLK10 antibody
Product Synonym Names	NES1; PRSSL1; Kallikrein-10; Normal epithelial cell-specific 1; Protease serine-like 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of KLK10 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	30,170 Da
OMIM	602673
3D Structure	ModBase 3D Structure for O43240
Immunogen	Recombinant full length protein of human KLK10
Applications Tested/Suitable for anti-KLK10 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-KLK10 antibody	WB: 1/500 - 1/2000; IHC: 1/50 - 1/200; IF/ICC: 1/50 - 1/100
Related Product Information for anti-KLK10 antibody	MBS8245425 is an antibody targeting KLK10. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to KLK10
Other Notes	Small volumes of anti-KLK10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-KLK10 antibody
Western blot analysis of KLK10 expression in mouse brain (A), mouse heart (B), rat liver (C) whole cell lysates.



Immunohistochemistry (IHC) of anti-KLK10 antibody
Immunohistochemical analysis of KLK10 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF) of anti-KLK10 antibody
Immunofluorescent analysis of KLK10 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLK10. It may not necessarily be applicable to this product.

NCBI GI #	117422433
NCBI GeneID	5655
NCBI Accession #	NP_001070968.1
UniProt Primary Accession #	O43240
UniProt Secondary Accession #	Q53YL3; Q99920; Q9GZW9; A6NC12
UniProt Related Accession #	O43240
GenBank Nucleotide #	NM_001077500.1
NCBI Official Full Name	kallikrein-10 preproprotein
NCBI Official Synonym Full Names	kallikrein related peptidase 10
NCBI Official Symbol	KLK10

NCBI Official Synonym Symbols	NES1; PRSSL1
UniProt Protein Name	Kallikrein-10
UniProt Synonym Protein Names	Normal epithelial cell-specific 1; Protease serine-like 1
Protein Family	Glandular kallikrein
UniProt Gene Name	KLK10
UniProt Synonym Gene Names	NES1; PRSSL1
UniProt Entry Name	KLK10_HUMAN
NCBI Protein Information	kallikrein-10
NCBI Summary for KLK10	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, Jul 2008]
UniProt Comments for KLK10	KLK10: Has a tumor-suppressor role for NES1 in breast and prostate cancer. Belongs to the peptidase S1 family. Kallikrein subfamily. Protein type: Tumor suppressor; Secreted; Protease; Secreted, signal peptide; EC 3.4.21.- Chromosomal Location of Human Ortholog: 19q13 Cellular Component: extracellular region Molecular Function: serine-type endopeptidase activity; serine-type peptidase activity Biological Process: cell cycle; proteolysis
Research Articles on KLK10	**1.** treated and untreated prolactin-producing pituitary adenomas and carcinomas as well as TSH-producing pituitary adenomas and carcinomas were conclusively immunopositive for KLK10
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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