KLK13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLK13, Polyclonal Antibody
Full Product Name	KLK13 Polyclonal Antibody
Product Gene Name	anti-KLK13 antibody
Product Synonym Names	KLK13
Clonality	Polyclonal
Host	Rabbit
Form/Format	100 ug affinity-purified antibody in PBS, pH 7.4.
Specificity	KLK13 [This rabbit antibody recognizes aa 262-277 of human KLK13 (also known as KLK-L4), one of the many kallikrein serine proteases associated with carcinogenesis.] This antibody recognizes the gene product hk13 of human KLK13 (also known as KLK-L4), one of the many kallikrein serine proteases associated with carcinogenesis. KLK13 is upregulated by steroid hormones and is expressed in prostate, salivary gland, breast, and testis.
Preparation and Storage	This antibody is stable for at least one (1) year at -70 degree C. Avoid multiple freeze thaw cycles.
Molecular Weight	10,685 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (51559463..51568367, complement). Location: 19q13.33
3D Structure	ModBase 3D Structure for Q5BQ95
Antigen	Peptide corresponding to aa 262-277 of human KLK13 protein.
Stabilizer	None
Preservatives	0.02% sodium azide.
Dilutions Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Product Categories/Family for anti-KLK13 antibody	Cancer Research Products
Applications Tested/Suitable for anti-KLK13 antibody	Immunoblot
Application Notes for anti-KLK13 antibody	Immunoblotting: use at 1:500-1:1,000 dilution. A band of approximately 30 kD is detected.
Related Product Information for anti-KLK13 antibody	MBS194279 is an antibody targeting KLK13. Also known as KLK13 Polyclonal Antibody. Host: Rabbit.
Other Notes	Small volumes of anti-KLK13 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLK13. It may not necessarily be applicable to this product.

NCBI GI #	11496281
NCBI GeneID	26085

NCBI Accession #	NP_056411.1
UniProt Primary Accession #	Q5BQ95
UniProt Related Accession #	Q5BQ95; Q5BQ97; Q5BQ99; Q86VI7; Q86VI8; Q9UKR3
GenBank Nucleotide #	NM_015596.1
NCBI Official Full Name	kallikrein-13
NCBI Official Synonym Full Names	kallikrein-related peptidase 13
NCBI Official Symbol	KLK13
NCBI Official Synonym Symbols	KLKL4; KLK-L4; DKFZp586J1923
UniProt Protein Name	Kallikrein 13 splice variant 7
Protein Family	Kallikrein
UniProt Gene Name	KLK13
UniProt Entry Name	Q5BQ95_HUMAN
NCBI Protein Information	kallikrein-13; kallikrein 13; kallikrein-like gene 4; kallikrein-like protein 4
NCBI Summary for KLK13	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. Expression of this gene is regulated by steroid hormones and may be useful as a marker for breast cancer. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq]
UniProt Comments for KLK13	KLK13: 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. Expression of this gene is regulated by steroid hormones and may be useful as a marker for breast cancer. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq, Jul 2008] Protein type: Secreted, signal peptide; EC 3.4.21.-; Secreted; Vesicle; Protease Chromosomal Location of Human Ortholog: 19q13.33 Cellular Component: extracellular space; cytoplasm; extracellular region; secretory granule Molecular Function: protein binding; hydrolase activity; serine-type endopeptidase activity Biological Process: protein processing; proteolysis
Research Articles on KLK13	**1.** This is the first study disclosing the possible clinical utility of KLK13 as a new tumor biomarker capable of predicting a favorable outcome for gastric cancer patients.
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