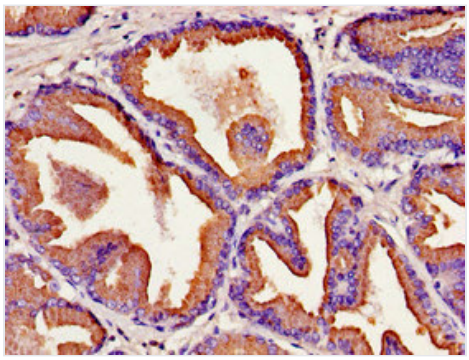
KLK2 Antibody – Rabbit Polyclonal

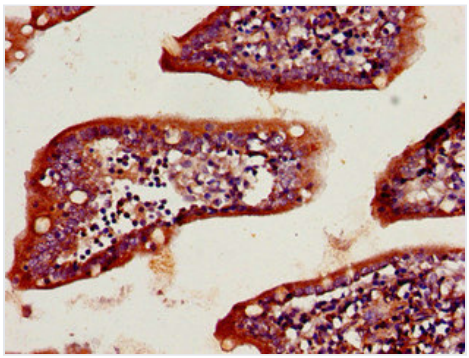
PRODUCT OVERVIEW

Product Name	KLK2, Polyclonal Antibody
Full Product Name	KLK2 Antibody
Product Gene Name	anti-KLK2 antibody
Product Synonym Names	Kallikrein-2; Glandular kallikrein-1; hGK-1; Tissue kallikrein-2; KLK2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: KLK2 (MBS7103805) HRP Conjugated Antibody: KLK2 (MBS7103806)
Matching Pairs	Unconjugated Antibody: KLK2 (MBS7103805) FITC Conjugated Antibody: KLK2 (MBS7103807)
Matching Pairs	Unconjugated Antibody: KLK2 (MBS7103805) Biotin Conjugated Antibody: KLK2 (MBS7103808)
Molecular Weight	17,301 Da
OMIM	M18156 Genomic DNA
3D Structure	ModBase 3D Structure for P20151
Immunogen	Recombinant Human Kallikrein-2 protein (25-261AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-KLK2 antibody	Cancer; Cell Biology; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KLK2 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-KLK2 antibody	IHC: 1:20-1:200
Related Product Information for anti-KLK2 antibody	Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.
Other Notes	Small volumes of anti-KLK2 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.

Searchable Terms for KLK2 purchase	MBS7103805 is an antibody targeting KLK2. Also known as KLK2 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-KLK2 antibody
Immunohistochemistry of paraffin-embedded human prostate tissue using MBS7103805 at dilution of 1:100



Immunohistochemistry (IHC) of anti-KLK2 antibody
Immunohistochemistry of paraffin-embedded human small intestine tissue using MBS7103805 at dilution of 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLK2. It may not necessarily be applicable to this product.

NCBI GI #	50363237
NCBI GeneID	3817
NCBI Accession #	NP_001002231.1
UniProt Primary Accession #	P20151
UniProt Secondary Accession #	Q15946; Q9UJZ9; B4DU93; B4DUB0; F5H8L3
UniProt Related Accession #	P20151
GenBank Nucleotide #	NM_001002231.2
NCBI Official Full Name	kallikrein-2 isoform 2 preproprotein
NCBI Official Synonym Full Names	kallikrein related peptidase 2
NCBI Official Symbol	KLK2
NCBI Official Synonym Symbols	hK2; hGK-1; KLK2A2
UniProt Protein Name	Kallikrein-2
UniProt Synonym Protein Names	Glandular kallikrein-1; hGK-1; Tissue kallikrein-2
Protein Family	Blarinasin
UniProt Gene Name	KLK2
UniProt Synonym Gene Names	hGK-1
NCBI Protein Information	kallikrein-2
NCBI Summary for KLK2	This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Jan 2012]
Research Articles on KLK2	**1.** glycosylation changes the enzymatic activity of KLK2 in a drastically substrate-dependent manner.

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