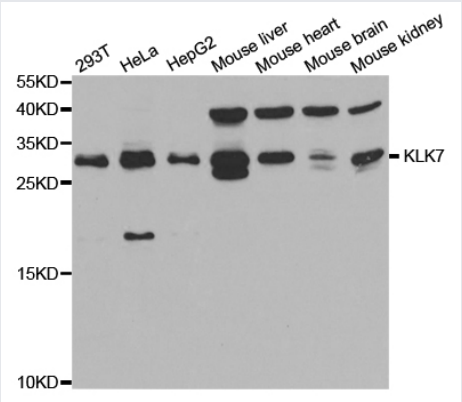
KLK7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLK7, Polyclonal Antibody
Full Product Name	KLK7 Antibody
Product Gene Name	anti-KLK7 antibody
Product Synonym Names	hK7; SCCE; PRSS6
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total KLK7 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	19,887 Da
OMIM	604438
3D Structure	ModBase 3D Structure for P49862
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human KLK7.
Target Name	KLK7
Product Categories/Family for anti-KLK7 antibody	Total protein Ab
Applications Tested/Suitable for anti-KLK7 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-KLK7 antibody	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200
Related Product Information for anti-KLK7 antibody	This gene encodes a member of the kallikrein subfamily of serine proteases. These enzymes have diverse physiological functions and many kallikrein genes are biomarkers for cancer. The encoded protein has chymotrypsin-like activity and plays a role in the proteolysis of intercellular cohesive structures that precedes desquamation, the shedding of the outermost layer of the epidermis. The encoded protein may play a role in cancer invasion and metastasis, and increased expression of this gene is associated with unfavorable prognosis and progression of several types of cancer. Polymorphisms in this gene may play a role in the development of atopic dermatitis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, which is one of fifteen kallikrein subfamily members located in a gene cluster on chromosome 19.
Other Notes	Small volumes of anti-KLK7 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 KLK7 purchase	MBS9401134 is an antibody targeting KLK7. Also known as KLK7 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-KLK7 antibody
Western blot analysis of extracts of various cell lines, using KLK7 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLK7. It may not necessarily be applicable to this product.

NCBI GI #	333609286
NCBI GeneID	5650
NCBI Accession #	NP_001193982.1
UniProt Primary Accession #	P49862
UniProt Secondary Accession #	Q8N5N9; Q8NFV7; A8K0U5
UniProt Related Accession #	P49862
GenBank Nucleotide #	NM_001207053.1
NCBI Official Full Name	kallikrein-7 isoform 2
NCBI Official Synonym Full Names	kallikrein-related peptidase 7
NCBI Official Symbol	KLK7
NCBI Official Synonym Symbols	hK7; SCCE; PRSS6
UniProt Protein Name	Kallikrein-7
UniProt Synonym Protein Names	Serine protease 6; Stratum corneum chymotryptic enzyme; hSCCE
Protein Family	Glandular kallikrein
UniProt Gene Name	KLK7
UniProt Synonym Gene Names	PRSS6; SCCE; hK7; hSCCE
UniProt Entry Name	KLK7_HUMAN
NCBI Protein Information	kallikrein-7

UniProt Comments for KLK7	KLK7: May catalyze the degradation of intercellular cohesive structures in the cornified layer of the skin in the continuous shedding of cells from the skin surface. Specific for amino acid residues with aromatic side chains in the P1 position. SCCE cleaves insulin B chain at '6-Leu-|-Cys-7', '16-Tyr-|-Leu-17', '25-Phe-|-Tyr-26' and '26-Tyr-|-Thr-27'. Could play a role in the activation of precursors to inflammatory cytokines. Belongs to the peptidase S1 family. Kallikrein subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide; Protease; EC 3.4.21.35 Chromosomal Location of Human Ortholog: 19q13.41 Cellular Component: extracellular region Molecular Function: serine-type peptidase activity; serine-type endopeptidase activity Biological Process: extracellular matrix disassembly; extracellular matrix organization and biogenesis; epidermis development; proteolysis
Research Articles on KLK7	**1.** These results demonstrate the aberrant expression of KLK7 in colon cancer cells and tissues and its involvement in cell proliferation in vitro and in vivo.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/klk7/9401134