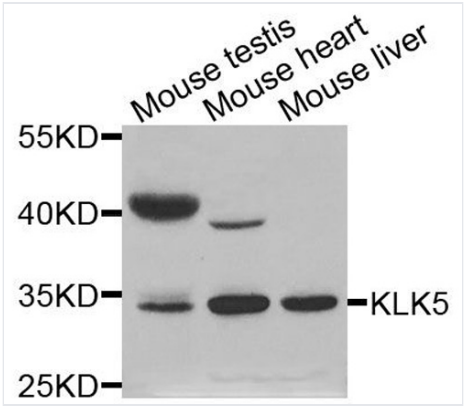
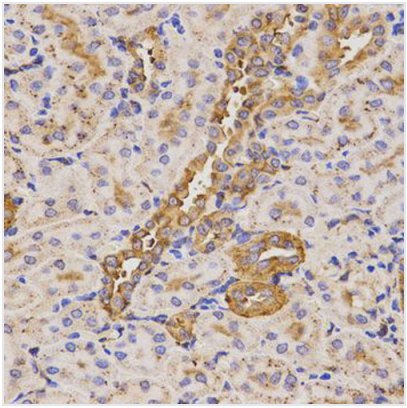
KLK5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

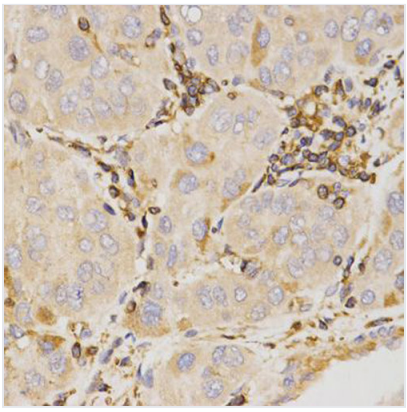
Product Name	KLK5, Polyclonal Antibody
Full Product Name	KLK5 Polyclonal Antibody
Product Gene Name	anti-KLK5 antibody
Product Synonym Names	SCTE; KLKL2; KLK-L2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	Observed MW: 32kDa Calculated MW: 32kDa
OMIM	605643
3D Structure	ModBase 3D Structure for Q9Y337
Category	Primary antibody
Cross-Reactivity	Human , Mouse , Rat
Immunogen	A synthetic peptide of human KLK5
Product Categories/Family for anti-KLK5 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KLK5 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-KLK5 antibody	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
Related Product Information for anti-KLK5 antibody	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 expression is up-regulated by estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants encoding the same protein.
Other Notes	Small volumes of anti-KLK5 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 KLK5 purchase	MBS126290 is an antibody targeting KLK5. Also known as KLK5 Polyclonal Antibody. Host: Rabbit.



Western Blot (WB) of anti-KLK5 antibody
Western blot analysis of extracts of various cell lines, using KLK5 antibody at 1:400 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit.Exposure time: 90s.



Immunohistochemistry (IHC) of anti-KLK5 antibody
Immunohistochemistry of paraffin-embedded rat kidney using KLK5 antibody at dilution of 1:200 (40x lens).



Immunohistochemistry (IHC) of anti-KLK5 antibody
Immunohistochemistry of paraffin-embedded human liver cancer using KLK5 antibody at dilution of 1:200 (40x lens).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLK5. It may not necessarily be applicable to this product.

NCBI GI #	296434569
NCBI GeneID	25818
NCBI Accession #	Q9Y337.2
UniProt Primary Accession #	Q9Y337
UniProt Secondary Accession #	Q53ZR3; Q9HBG8
UniProt Related Accession #	Q9Y337
NCBI Official Full Name	Kallikrein-5
NCBI Official Synonym Full Names	kallikrein-related peptidase 5
NCBI Official Symbol	KLK5
NCBI Official Synonym Symbols	SCTE; KLKL2; KLK-L2
UniProt Protein Name	Kallikrein-5
UniProt Synonym Protein Names	Kallikrein-like protein 2; KLK-L2; Stratum corneum tryptic enzyme
Protein Family	Kallikrein

UniProt Gene Name	KLK5
UniProt Synonym Gene Names	SCTE; KLK-L2
UniProt Entry Name	KLK5_HUMAN
NCBI Protein Information	kallikrein-5; kallikrein 5; kallikrein-like protein 2; stratum corneum tryptic enzyme
UniProt Comments for KLK5	KLK5: May be involved in desquamation. Belongs to the peptidase S1 family. Kallikrein subfamily. Protein type: EC 3.4.21.-; Protease; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 19q13.33 Cellular Component: extracellular space Molecular Function: peptidase activity; protein binding; serine-type peptidase activity; serine-type endopeptidase activity Biological Process: epidermis development; positive regulation of G-protein coupled receptor protein signaling pathway; proteolysis
Research Articles on KLK5	**1.** KLK5 is an important contributor to the Netherton syndrome proteolytic cascade.
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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