

Rabbit anti-Human, Mouse KLK7 Polyclonal Antibody | anti-KLK7 antibody

KLK7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327085	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

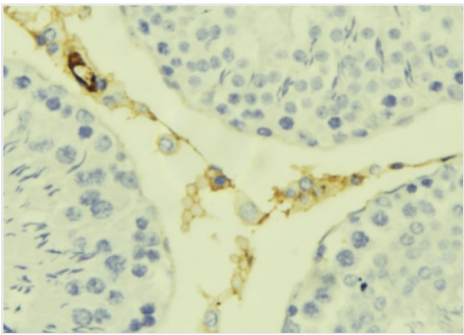
PRODUCT SYNONYMS

KLK7; Polyclonal Antibody; KLK7 Antibody; Chymotryptic stratum corneum; hK 7; hK7; hSCCE; Kallikrein 7 (chymotryptic stratum corneum); Kallikrein related peptidase 7; Kallikrein-7; Kallikrein7; KLK 7; Klk7; KLK7_HUMAN; Protease serine 6; PRSS 6; PRSS6; SCCE; Serine protease 6; Signal protein; Stratum corneum chymotryptic enzyme; anti-KLK7 antibody

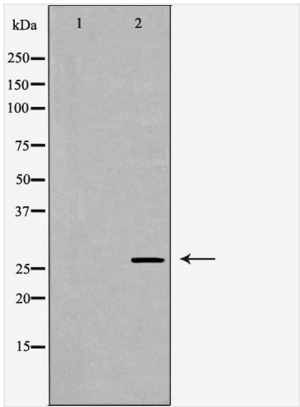
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	KLK7 antibody detects endogenous levels of total KLK7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	181
Applicable Applications for anti-KLK7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KLK7
Subcellular Location	Secreted. In ovarian carcinoma, secreted and also observed at the apical membrane and in cytoplasm at the invasive front.
Tissue Specificity	Abundantly expressed in the skin and is expressed by keratinocytes in the epidermis. Also expressed in the brain, mammary gland, cerebellum, spinal cord and kidney. Lower levels in salivary glands, uterus, thymus, thyroid, placenta, trachea and testis. Up-regulated in ovarian carcinoma, especially late-stage serous carcinoma, compared with normal ovaries and benign adenomas (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327085 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of 293T whole cell lysates, using KLK7 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KLK7 antibody

Description: 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.

Function: 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. Cleaves insulin A chain at '14-Tyr-|-Gln-15' and 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.

Similarity: Belongs to the peptidase S1 family. Kallikrein subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333609286
NCBI GeneID	5650
NCBI Accession #	NP_001193982.1
NCBI GenBank Nucleotide #	NM_001207053.1
UniProt Accession #	P49862; Q8N5N9; Q8NFV7; A8K0U5
Molecular Weight	Observed: 27 kDa Predicted: 28 kDa
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
NCBI Protein Information	kallikrein-7
UniProt Protein Name	Kallikrein-7
UniProt Gene Name	KLK7
UniProt Synonym Gene Names	PRSS6; SCCE; hK7; hSCCE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/klk7-antibody-immunohistochemistry-western-blot-elisa/327085>