

Rabbit anti-Human Kallikrein 7 Polyclonal Antibody | anti-KLK7 antibody

Kallikrein 7 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287417	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Kallikrein 7; Polyclonal Antibody; Kallikrein 7 Antibody (C-term); Kallikrein-7; hK7; Serine protease 6; Stratum corneum chymotryptic enzyme; hSCCE; KLK7; PRSS6; SCCE; anti-KLK7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Kallikrein 7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 157-187 amino acids from the C-terminal region of human Kallikrein 7.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	157-187
Sequence Length	181
Applicable Applications for anti-KLK7 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Kallikrein 7 (KLK7) Antibody (C-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Kallikrein 7 (KLK7) Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Kallikrein 7 (KLK7) Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of KLK7 (arrow) using rabbit polyclonal KLK7 Antibody (S172). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the KLK7 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-KLK7 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. The KLK7 enzyme is thought to be involved in the proteolysis of intercellular cohesive structures preceding desquamation, which is the shedding of the outermost layer of the epidermis.
Product Categories/Family for anti-KLK7 antibody	Cancer; Cell Biology; Signal transduction
References	Planque, C., et al., Biochem. Biophys. Res. Commun. 329(4):1260-1266 (2005). Ishida-Yamamoto, A., et al., J. Invest. Dermatol. 124(2):360-366 (2005). Vasilopoulos, Y., et al., J. Invest. Dermatol. 123(1):62-66 (2004). Santin, A.D., et al., Gynecol. Oncol. 94(2):283-288 (2004). Caubet, C., et al., J. Invest. Dermatol. 122(5):1235-1244 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	333609286
NCBI GeneID	5650
NCBI Accession #	NP_001193982.1; NP_001230055.1; NP_005037.1; NP_644806.1
NCBI GenBank Nucleotide #	NM_001207053.1
UniProt Accession #	P49862; Q8N5N9; Q8NFV7; A8K0U5
Molecular Weight	27525
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
UniProt Entry Name	KLK7_HUMAN

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.