10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Kallikrein 5 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6324b

Product Information

Application	WB, E
Primary Accession	Q9Y337
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	32020
Antigen Region	144-174

Additional Information

Gene ID	25818
Other Names	Kallikrein-5, 3421-, Kallikrein-like protein 2, KLK-L2, Stratum corneum tryptic enzyme, KLK5, SCTE
Target/Specificity	This Kallikrein 5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-174 amino acids from the Central region of human Kallikrein 5.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Kallikrein 5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KLK5 (HGNC:6366)
Function	May be involved in desquamation.
Cellular Location	Secreted.
Tissue Location	Expressed in skin, breast, brain and testis. Expressed at the stratum

granulosum of palmar skin

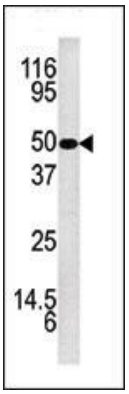
Background

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. KLK5 expression is up-regulated by estrogens and progestins. The protein is secreted and may be involved in desquamation in the epidermis.

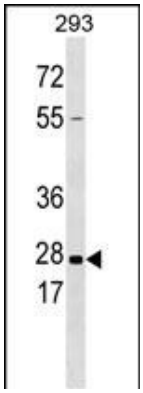
References

Planque, C., et al., Biochem. Biophys. Res. Commun. 329(4):1260-1266 (2005). Michael, I.P., et al., J. Biol. Chem. 280(15):14628-14635 (2005). Ishida-Yamamoto, A., et al., J. Invest. Dermatol. 124(2):360-366 (2005). Brattsand, M., et al., J. Invest. Dermatol. 124(1):198-203 (2005). Caubet, C., et al., J. Invest. Dermatol. 122(5):1235-1244 (2004).

Images



Western blot analysis of anti-KLK5 Pab (Cat. #AP6324b) in mouse brain tissue lysate.KLK5(arrow) was detected using the purified Pab.



KLK5 Antibody (L159) (Cat. #AP6324b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the KLK5 antibody detected the KLK5 protein (arrow).

Citations

- Loss of ceramide synthase 3 causes lethal skin barrier disruption.