

Goat Anti-KLK1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1598a**Specification**

Goat Anti-KLK1 Antibody - Product Information

Application	WB, E
Primary Accession	P06870
Other Accession	NP_002248 , 3816
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	28890

Goat Anti-KLK1 Antibody - Additional Information**Gene ID** 3816**Other Names**

Kallikrein-1, 3.4.21.35, Kidney/pancreas/salivary gland kallikrein, Tissue kallikrein, KLK1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-KLK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-KLK1 Antibody - Protein Information**Name** KLK1**Function**

Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.

Tissue Location

Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.

Goat Anti-KLK1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-KLK1 Antibody - Images



AF1598a (0.5 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-KLK1 Antibody - 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. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen.

Goat Anti-KLK1 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Effects of protein coding polymorphisms in the kallikrein 1 gene on baseline blood pressure and antihypertensive response to irbesartan in Chinese hypertensive patients. Jiang S, et al. J Hum Hypertens, 2010 Jul 8. PMID 20613781.

[Association of single nucleotide polymorphisms of kallikrein 1 gene with cerebral hemorrhage in Changsha Han Chinese] Zeng Y, et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi, 2010 Jun. PMID 20533273.

KLK1 gene polymorphisms are not associated with lupus nephritis in a Chinese Han population. Zhou XJ, et al. J Rheumatol, 2010 Jun. PMID 20516044.
Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785.