

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

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**Goat Anti-KLK1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P06870</a>
Other Accession	<a href="#">NP_002248</a> , <a href="#">3816</a>
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

**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.

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