



## KLK1 Antibody

CATALOG NUMBER: 45-807



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

### Specifications

#### SPECIES REACTIVITY:

#### TESTED APPLICATIONS:

**APPLICATIONS:** ELISA: antibody detection limit dilution 1:2000. Western Blot: Approx 55kDa band observed in Human Kidney, Pancreas and Skin lysates (calculated MW of 28.9kDa according to NP\_002248.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Gao et al Nat

**POSITIVE CONTROL:** 1) Cat. No. 1305 - Human Kidney Tissue Lysate

**IMMUNOGEN:** KLK1 antibody was raised against a 12 amino acid synthetic peptide near the internal region of KLK1.

**HOST SPECIES:** Goat

### Properties

**PURIFICATION:** KLK1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**PHYSICAL STATE:** Liquid

**BUFFER:** KLK1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.

**CONCENTRATION:** 500 ug/mL

**STORAGE CONDITIONS:** Aliquot and store at -20°C. Minimize freezing and thawing.

**CLONALITY:** Polyclonal

**CONJUGATE:** Unconjugated

### Additional Info

**ALTERNATE NAMES:** KLK1, kallikrein 1, KLKR, Klk6, hK1, glandular kallikrein 1, renal/pancreas/salivary, kallikrein serine protease 1, tissue kallikrein

**ACCESSION NO.:** NP\_002248.1

**PROTEIN GI NO.:** 4504875

**OFFICIAL SYMBOL:** KLK1

GENE ID: 3816

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## Background

**REFERENCES:** 1) Montanari D, Yin H, Dobrzynski E, Agata J, Yoshida H, Chao J, Chao L. Kallikrein gene delivery improves serum glucose and lipid profiles and cardiac function in streptozotocin-induced diabetic rats. *Diabetes*. 2005 May;54(5):1573-80.

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FOR RESEARCH USE ONLY

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