

Datasheet for ABIN3042476
anti-Kallikrein 4 antibody (AA 31-254)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	Kallikrein 4 (KLK4)
Binding Specificity:	AA 31-254
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kallikrein 4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Kallikrein-4(KLK4) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human Kallikrein 4 recombinant protein (Position: I31-S254).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Kallikrein-4(KLK4) detection. Tested with WB in Human. Gene Name: kallikrein-related peptidase 4 Protein Name: Kallikrein-4
Purification:	Immunogen affinity purified.

Target Details

Target:	Kallikrein 4 (KLK4)
Alternative Name:	KLK4 (KLK4 Products)
Background:	<p>Kallikrein-related peptidase 4, also known as PSTS or EMSP1, is a protein which in humans is encoded by the KLK4 gene. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. 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. In particular, they may serve as biomarkers for both prostate cancer and breast cancer. It has been found that KLK4 is a proliferative factor with effects on gene expression and it may have a role in prostate cancer development and progression.</p> <p>Synonyms: 7S nerve growth factor alpha chain antibody AI2A1 antibody Alpha-NGF antibody Androgen-regulated message 1 antibody ARM1 antibody EC 3.4.21.- antibody EMSP 1 antibody EMSP antibody EMSP1 antibody Enamel Matrix Serine Protease 1 antibody Enamel matrix serine proteinase 1 antibody HK4 antibody Kallikrein 1-related peptidase-like b4 antibody Kallikrein 4 (prostase, enamel matrix, prostate) antibody Kallikrein 4 antibody Kallikrein antibody Kallikrein L1 antibody Kallikrein like protein 1 antibody Kallikrein related-peptidase 4 (prostase, enamel matrix, prostate) antibody Kallikrein-4 antibody Kallikrein-like protein 1 antibody Kallikrein-related peptidase 4 antibody KLK 4 antibody KLK L1 antibody KLK-L1 antibody KLK4 antibody KLK4_HUMAN antibody MGC116827 antibody MGC116828 antibody Prostase antibody Protease Serine 17 antibody PRSS 17 antibody PRSS17 antibody PSTS antibody Serine protease 17 antibody</p>
Gene ID:	9622
UniProt:	Q9Y5K2
Pathways:	Complement System

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Kallikrein 4 is approximately 0.25 ng/lane under reducing conditions.</p> <p>Notes: Tested Species: Species with positive results.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Anti- Picoband antibody, PB, Western blotting All lanes: Anti Kallikrein 4 at 0.5ug/ml WB: Recombinant Human Kallikrein 4 Protein 0.5ng Predicted bind size: 25KD Observed bind size: 25KD



Western Blotting

Image 2. Anti- Picoband antibody, PB, Western blotting All lanes: Anti Kallikrein 4 at 0.5ug/ml Lane 1: 293T Whole Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 27KD Observed bind size: 27KD