



Mouse Anti-Human KLK3/PSA monoclonal antibody, clone NN16 (CABT-ZB1056)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Specificity | It reacts with Human KLK3/PSA |
| Target | KLK3 |
| Immunogen | Recombinant Human KLK3 Protein |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | NN16 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB738 - CABT-ZB1056 This antibody will detect KLK3/PSA in antibody pair set. [ABPR-ZB318] |
| Preparation | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human KLK3. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Format | Purified, Liquid |
| Concentration | Lot specific |

| | |
|---------------------|--|
| Size | 50 µL, 100 µL, 200 µL, 1 mL |
| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

| | |
|---------------------|--|
| Introduction | KLK3 (Kallikrein Related Peptidase 3) is a Protein Coding gene. The gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. It encodes a single-chain glycoprotein, a protease that is synthesized in the epithelial cells of the prostate gland and is present in seminal plasma. KLK3, also known as Prostate Specific Antigen (PSA), kallikrein-related peptidase 3, Gamma-seminoprotein, is a secreted protein of the glandular kallikrein subfamily of serine proteases. KLK3 contains one peptidase S1 domain. KLK3 is a glycoprotein produced almost exclusively by the prostate gland. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. |
|---------------------|--|

| | |
|-----------------|--|
| Keywords | KLK3; kallikrein-related peptidase 3; APS; PSA |
|-----------------|--|

GENE INFORMATION

| | |
|-----------------------|---|
| Synonyms | KLK3; kallikrein-related peptidase 3; APS; PSA; hK3; KLK2A1; prostate-specific antigen; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen |
| Entrez Gene ID | 354 |
| UniProt ID | P07288 |