

ARG59324
anti-KLK8 antibodyPackage: 50 µg
Store at: -20°C

Summary

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| Product Description | Rabbit Polyclonal antibody recognizes KLK8 |
| Tested Reactivity | Hu |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | KLK8 |
| Species | Human |
| Immunogen | Recombinant protein corresponding to V33-G260 of Human KLK8. |
| Conjugation | Un-conjugated |
| Alternate Names | PRSS19; NRPN; EC 3.4.21.118; Ovasin; hK8; HNP; TADG14; Tumor-associated differentially expressed gene 14 protein; NP; Kallikrein-8; Serine protease TADG-14; Serine protease 19; Neuropsin |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | WB | 0.1 - 0.5 µg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

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| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|-----------------------|---|
| Gene Symbol | KLK8 |
| Gene Full Name | kallikrein-related peptidase 8 |
| 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 tandem in a gene cluster on chromosome 19. The encoded protein may be involved in proteolytic cascade in the skin and may serve as a biomarker for ovarian cancer. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013] |
| Function | Serine protease which is capable of degrading a number of proteins such as casein, fibrinogen, kininogen, fibronectin and collagen type IV. Also cleaves L1CAM in response to increased neural activity. Induces neurite outgrowth and fasciculation of cultured hippocampal neurons. Plays a role in the formation and maturation of orphan and small synaptic boutons in the Schaffer-collateral pathway, regulates Schaffer-collateral long-term potentiation in the hippocampus and is required for memory acquisition and synaptic plasticity. Involved in skin desquamation and keratinocyte proliferation. Plays a role in the secondary phase of pathogenesis following spinal cord injury. [UniProt] |
| Calculated Mw | 28 kDa |
| Cellular Localization | Secreted. Cytoplasm. Note=Shows a cytoplasmic distribution in the keratinocytes. [UniProt] |

Images



ARG59324 anti-KLK8 antibody WB image

Western blot: Human placenta stained with ARG59324 anti-KLK8 antibody at 0.5 µg/ml dilution.