

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

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

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

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.