

Anti-Kallikrein 8/KLK8 Antibody (2Q646)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2Q646
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human KLK8 / Kallikrein 8 protein (TMPY-01992)
Antigen Species:	Human
Synonyms:	NP;NRPN;PRSS19;TADG14;kallikrein-related peptidase 8;HNP
Biology Area:	Serine Proteases and Regulators

Research Background

Kallikrein-8, also known as Neuropsin, Serine protease 19, Serine protease TADG-14, Tumor-associated differentially expressed gene 14 protein, and KLK8 is a secreted protein that belongs to the peptidase S1 family and Kallikrein subfamily. It is a serine protease that is capable of degrading some proteins such as casein, fibrinogen, kininogen, fibronectin, and collagen type IV. Kallikrein-8 / KLK8 plays a role in the formation and maturation of orphan and small synaptic boutons in the Schaffer-collateral pathway. It regulates Schaffer-collateral long-term potentiation in the hippocampus and is required for memory acquisition and synaptic plasticity. It is involved in skin desquamation and keratinocyte proliferation and plays a role in the secondary phase of pathogenesis following spinal cord injury. It also cleaves L1CAM in response to increased neural activity. It induces neurite outgrowth and fasciculation of cultured hippocampal neurons. Kallikrein-8 / KLK8 is expressed at high levels in serum, ascites fluid, and tumor cytosol of advanced-stage ovarian cancer patients and may serve as a marker of ovarian cancer. Kallikrein-8 / KLK8 may have potential clinical value for disease diagnosis or prognosis and it may also be a useful therapeutic target.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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