

### Cleaved-KLK8 (V33) Polyclonal Antibody

**Catalog # AP63131** 

#### **Specification**

### Cleaved-KLK8 (V33) Polyclonal Antibody - Product Information

Application WB
Primary Accession O60259
Reactivity Human
Host Rabbit
Clonality Polyclonal

### Cleaved-KLK8 (V33) Polyclonal Antibody - Additional Information

Gene ID 11202

#### **Other Names**

KLK8; NRPN; PRSS19; TADG14; Kallikrein-8; hK8; Neuropsin; NP; Ovasin; Serine protease 19; Serine protease TADG-14; Tumor-associated differentially expressed gene 14 protein

#### Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

# **Storage Conditions**

-20°C

#### Cleaved-KLK8 (V33) Polyclonal Antibody - Protein Information

#### Name KLK8

Synonyms NRPN, PRSS19, TADG14

#### **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.

#### **Cellular Location**

Secreted. Cytoplasm. Note=Shows a cytoplasmic distribution in the keratinocytes

#### **Tissue Location**

Isoform 1 is predominantly expressed in the pancreas. Isoform 2 is expressed in adult brain and



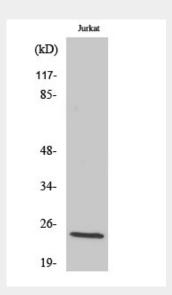
hippocampus Isoform 1 and isoform 2 are found in fetal brain and placenta. Detected in salivary gland, uterus, thymus, breast, testis and kidney but not in spleen, liver, lung or normal ovarian tissue. Displays an 11.5-fold increase in Alzheimer disease hippocampus compared to controls and is overexpressed in some ovarian carcinomas. Expressed at low levels in normal skin while high levels are found in psoriasis vulgaris, seborrheic keratosis, lichen planus and squamous cell carcinoma skin samples. Expressed in the keratinocytes.

### Cleaved-KLK8 (V33) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

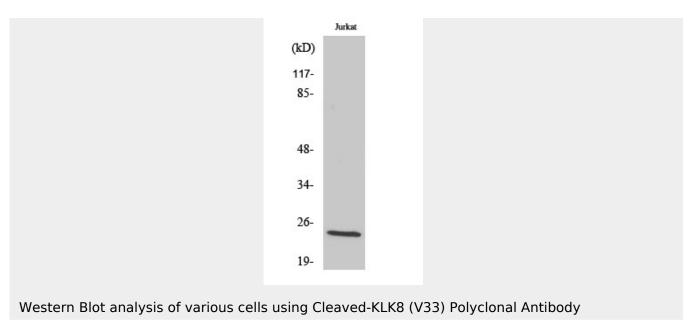
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Cleaved-KLK8 (V33) Polyclonal Antibody - Images



Western Blot analysis of various cells using Cleaved-KLK8 (V33) Polyclonal Antibody





## Cleaved-KLK8 (V33) Polyclonal Antibody - Background

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.