

## Kallikrein-5 Antibody (R30713)

Catalog No.	Formulation	Size
R30713	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q9D140
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This Kallikrein-5 antibody is available for research use only.



Western blot testing of Kallikrein-5 antibody and mouse liver tissue lysate

## Description

Kallikrein-5, formerly known as Stratum corneum tryptic enzyme (SCTE) or KLKL2, is a serine protease expressed in the epidermis. The gene is one of the fifteen kallikrein subfamily members which is located on 19q13.41. KLK5 has been suggested to regulate cell shedding in conjunction with KLK7 and KLK14, given its ability to degrade proteins which form the extracellular component of cell junctions in the stratum corneum. The KLK5 gene contains 5 coding exons spanning 9.3. KLK5 expression is upregulated in a breast cancer cell line in the presence of estrogens and progestins and is associated with more aggressive forms of epithelial ovarian carcinoma.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Kallikrein-5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of mouse Kallikrein-5 (NLCEFVKWIKDTMNSN) was used as the immunogen for this Kallikrein-5 antibody.

## Storage

After reconstitution, the Kallikrein-5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.