SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-KLK15/HRP Conjugated antibody

Catalog Number: SL5867R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-KLK15/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human KLK15
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Dog,Pig,Cow)
Background:	background: The human tissue Kallikrein gene family encodes 15 serine proteases. All Kallikreins share structural similarities including cysteine residues, a catalytic triad of His, Asp, and Ser residues, typically five coding exons, and varied intron phases. Kallikreins are predominantly secreted as inactive zymogens prior to activation by cleavage of an N terminal peptide, and all function extracellularly. Kallikreins can be activated autocatalytically, via other Kallikreins, or additional proteases. While structurally similar, Kallikrein family members have distinct functions and have key roles in many physiological and pathological processes. Many human tissue Kallikreins also show promise as cancer biomarkers, which may facilitate earlier detection and characterization of many forms of cancer. Kallikrein 15 is one of the fifteen kallikrein subfamily members whose gene is located in a cluster on chromosome 19. Increased levels are found in prostate cancer, which indicates its possible use as a diagnostic or prognostic marker

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	for prostate cancer. Four splice variants, each encoding a distinct isoform, have been described. **Function:** Protease whose physiological substrate is not yet known. **Subunit:** Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain. **Subcellular Location:** Secreted. **Tissue Specificity:** Highest expression in the thyroid gland. Also expressed in the prostate, salivary, and adrenal glands and in the colon testis and kidney. **Similarity:** Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain. **Database links:** **Entrez Gene:** 55554 Human Omim: 610601 Human **SwissProt:** Q9H2R5 Human **Unigene:** 567535 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Extracellular matrix protein