

Recombinant KLK7 (Kallikrein Related Peptidase 7) Antibody

Rabbit Monoclonal Antibody [Clone KLK7/8971R]

Catalog No	Format	Size
5650-RBM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5650-RBM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5650-RBM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

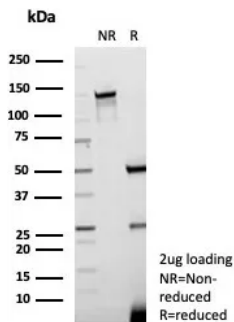
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

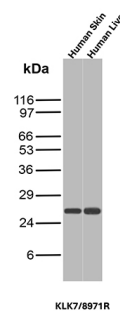
Clone	KLK7/8971R
Gene Name	KLK7
Immunogen	Recombinant fragment of human KLK7 protein (around aa 1-200) (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	27kDa
Cellular Localization	Secreted.
Species Reactivity	Human
Positive Control	Human skin tissue (IHC). liver.

*Optimal dilution for a specific application should be determined.

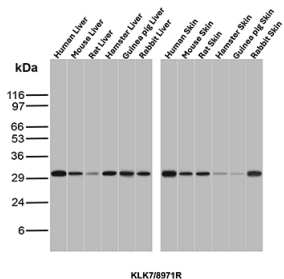
Product Images for Recombinant KLK7 (Kallikrein Related Peptidase 7) Antibody



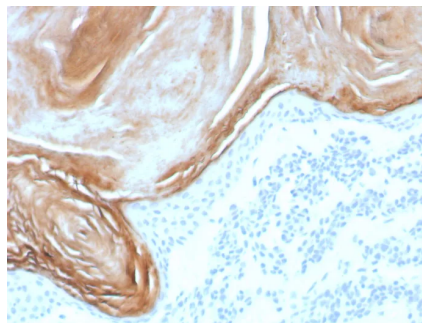
SDS-PAGE Analysis of Purified KLK7 Recombinant Rabbit Monoclonal Antibody (KLK7/8971R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Skin and Human Liver tissue lysates using KLK7 Recombinant Rabbit Monoclonal Antibody (KLK7/8971R).



Western Blot Analysis of Liver and Skin tissue lysates of different species using KLK7 Recombinant Rabbit Monoclonal Antibody (KLK7/8971R).



Formalin-fixed, paraffin-embedded human skin stained with Kallikrein 7 Recombinant Rabbit Monoclonal Antibody (KLK7/8971R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Kallikreins (KLKs) belong to the serine protease family of proteolytic enzymes. Human pancreatic/renal KLK encodes for the KLK1 enzyme, which is involved in post-translational processing of polypeptide precursors. The function of the other members of KLK gene family is currently unknown, but evidence suggests that many KLKs are implicated in carcinogenesis. The human KLK gene family consists of 15 serine proteases. The human KLK genes are clustered on chromosome 19q13.41. Unlike other kallikreins, the KLK4-15 encoded proteases are less related and do not contain a conventional KLK loop. Clusters of genes exhibit high prostatic (KLK2-4, KLK15) or pancreatic (KLK6-13) expression. KLK2 is also known as glandular kallikrein 2, tissue kallikrein or HGK-1, and KLK3 is known as prostate-specific antigen (PSA). Both KLK2 and KLK3 have important applications in prostate cancer and breast cancer diagnostics. KLK4, KLK5, KLK9, KLK13, KLK12 and KLK14 have been previously known as KLK-L1, KLK-L2, KLK-L3, KLK-L4, KLK-L5 and KLK-L6, respectively. Many of the KLKs are regulated by steroid hormones and a few of them, specifically KLK3, KLK6 and KLK10, are known to be downregulated in breast and other cancers.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.