

## KLK2 RABBIT PAB

**Cat.#:** S219876

**Product Name:** Anti-KLK2 Rabbit Polyclonal Antibody

**Synonyms:** hK2, hGK-1, KLK2A2

**UNIPROT ID:** P20151 (Gene Accession - NP\_005542 )

**Background:** This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants.

**Immunogen:** Synthetic peptide of human KLK2

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 1000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

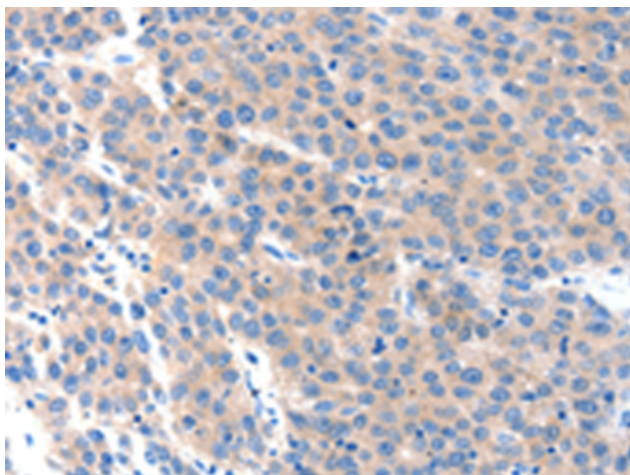
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

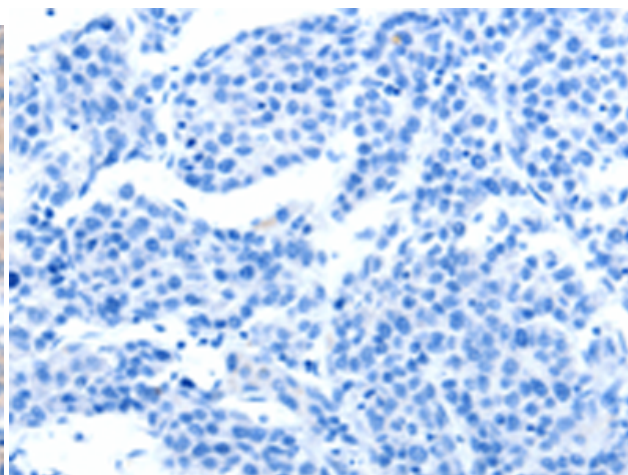
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Cell Biology

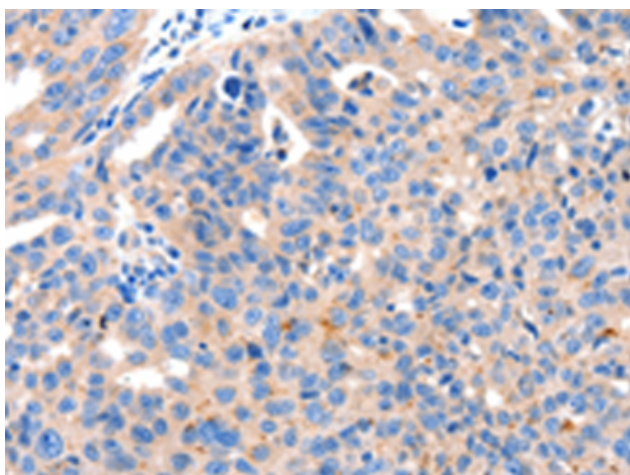
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



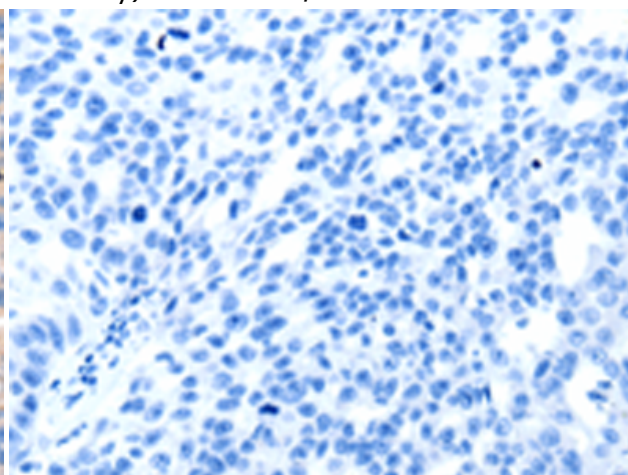
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 219876 (KLK2 Antibody) at a dilution of 1/100 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 219876 (Anti-KLK2 Antibody) at dilution 1/100.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 219876 (Anti-KLK2 Antibody) at a dilution of 1/100.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D260535 (Anti-KLK2 Antibody) at dilution 1/100.