

Anti-Klk7 Antibody Picoband® Biotin Conjugated

Catalog Number: A02739-1-Biotin

About Klk7

Kallikrein-related peptidase 7 (KLK7) is a serine protease that in humans is encoded by the KLK7 gene. KLK7 is a chymotrypsin-like serine protease of the member of peptidase S1 family. It is synthesized with a signal peptide of 22 amino acids (aa 1-22) and a propeptide region (aa 23-29) that are subsequently cleaved to generate the mature form. Human KLK7 displays about 40 to 60% amino acid homology with other members of the family. It cleaves proteins with aromatic side chains in the P1 position. KLK7 is abundantly expressed in the skin and is also present in the brain, mammary gland, cerebellum, spinal cord, and kidney. Lower levels of expression have been reported in salivary glands, uterus, thymus, thyroid, placenta, trachea, and testis. Its levels are shown to be up-regulated in ovarian carcinoma, especially late-stage serous carcinoma. Less differentiated tumors of more advanced stage show higher level KLK7 expression. KLK7 activity is inhibited by zinc and copper ions

Overview

Product Name	Anti-Klk7 Antibody Picoband® Biotin Conjugated
Reactive Species	Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P36373

Technical Details

Immunogen	E.coli-derived rat Klk7 recombinant protein (Position: K30-N238).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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