

Rabbit anti-Human SPINK1 Polyclonal Antibody | anti-SPINK1 antibody

Anti-SPINK1 Antibody, Rabbit Polyclonal

CATALOG # AAA256502	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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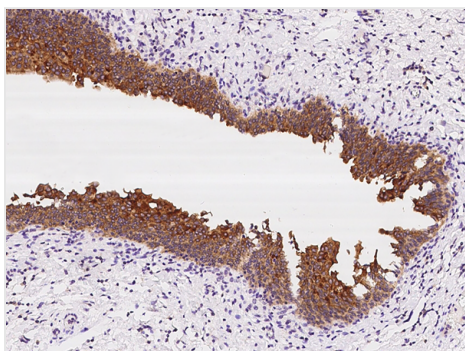
PRODUCT SYNONYMS

SPINK1; Polyclonal Antibody; Anti-SPINK1 Antibody; Rabbit Polyclonal; SPINK1 Antibody; Rabbit PAb; Antigen Affinity Purified; serine peptidase inhibitor; Kazal type 1; Anti-PCTT Antibody; Anti-PSTI Antibody; Anti-Spink3 Antibody; Anti-TATI Antibody; Anti-TCP Antibody; anti-SPINK1 antibody

PRODUCT SPECIFICATIONS

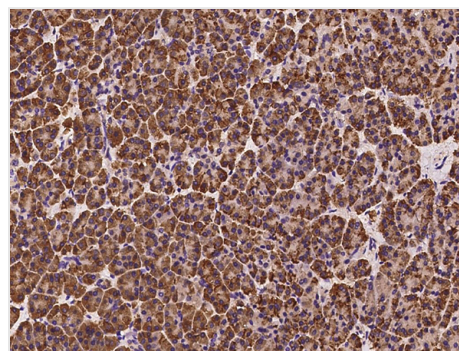
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SPINK1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SPINK1 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human SPINK1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SPINK1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human SPINK1 in human gallbladder with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human SPINK1 in human pancreas with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SPINK1 antibody	Trypsin activity is properly suppressed by pancreatic secretory trypsin inhibitor (PSTI), which is also known as serine protease inhibitor Kazal type 1 (SPINK1), thereby preventing damage to pancreatic acinar cells as the first line of defense. SPINK1 is a 6420 Da peptide produced by the pancreas, but also by several other tissues and many tumors. SPINK1, which is an acute-phase response protein plays a role in protecting the pancreas against premature activation of trypsinogen and is involved in cancer progression. SPINK1 promoted LAC cell growth, migration, and invasion. Some mutations of the SPINK1 gene, like the one causing amino acid change N34S, have been shown to confer susceptibility to recurrent or chronic pancreatitis. Detection of such variants is therefore of clinical utility. SPINK1 overexpression defines the second most recurrent and aggressive prostate cancer subtype.
Product Categories/Family for anti-SPINK1 antibody	Serine Proteases and Regulators
References	Xu L, et al. (2018) Spink1 promotes cell growth and metastasis of lung adenocarcinoma and acts as a novel prognostic biomarker. BMB Rep 51 (12): 648-653.Ravela S, et al. (2018) An immunocapture-lc-ms-based assay for serum spink1 allows simultaneous quantification and detection of spink1 variants. Anal Bioanal Chem 410 (6): 1679-1688.Buchholz I, et al. (2020) The impact of physiological stress conditions on protein structure and trypsin inhibition of serine protease inhibitor kazal type 1 (spink1) and its n34s variant. Biochim Biophys Acta Proteins Proteom 1868 (1): 140281.Bhatia V, et al. (2019) Epigenetic silencing of mirna-338-5p and mirna-421 drives spink1-positive prostate cancer. Clin Cancer Res 25 (9): 2755-2768.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/spink1-antibody-immunohistochemistry-elisa/256502>