

Datasheet for ABIN1450114
anti-SPINK2 antibody (C-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	0.1 mg
Target:	SPINK2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPINK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	16 amino acid synthetic peptide near the carboxy terminus of Human SPINK2
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SPINK2
Alternative Name:	SPINK2 (SPINK2 Products)
Background:	Human serine proteinase inhibitor Kazal-type 2 (SPINK2) is required for maintaining normal

Target Details

spermatogenesis and potentially regulates serine protease-mediated apoptosis in male germ cells. It contains a typical kazal domain composed by six cysteine residues forming three disulfide bridges. SPINK2 functions as a trypsin/acrosin inhibitor and is synthesized mainly in the testis and seminal vesicle where its activity is engaged in fertility. SPINK2 plays a role in the pathogenesis of hereditary and chronic pancreatitis. Synonyms: Acrosin-trypsin inhibitor, HUSI-II, Serine protease inhibitor Kazal-type 2

Gene ID: 6691

NCBI Accession: [NP_065804](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

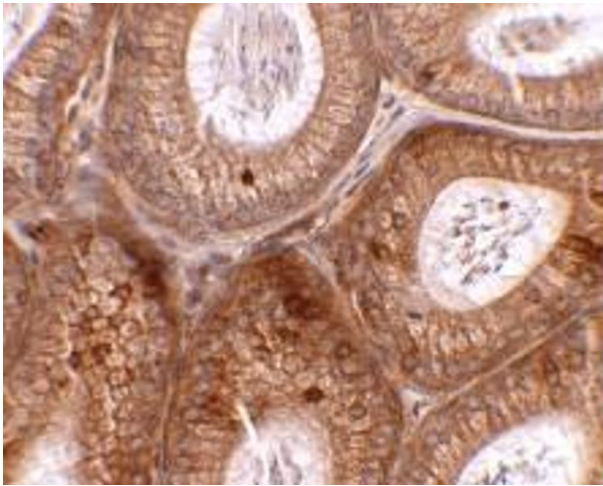
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

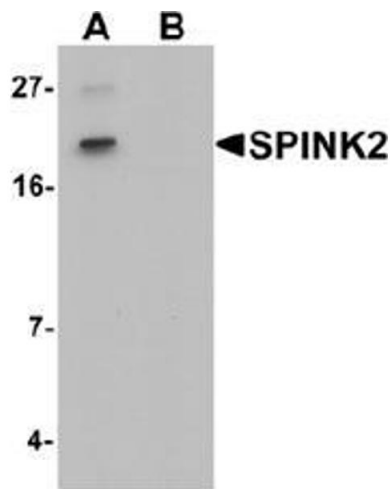
Publications

Product cited in: Dietz, Maes, Huang, Yandell, Schlamp, Montgomery, Allingham, Hauser, Nickells: "Spink2 modulates apoptotic susceptibility and is a candidate gene in the Rgcs1 QTL that affects retinal ganglion cell death after optic nerve damage." in: **PLoS ONE**, Vol. 9, Issue 4, pp. e93564, (2014) ([PubMed](#)).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of SPINK2 in mouse testis tissue with SPINK2 antibody at 2.5 ug/mL.



Western Blotting

Image 2. Western blot analysis of SPINK2 in mouse heart tissue lysate with SPINK2 Antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.