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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION

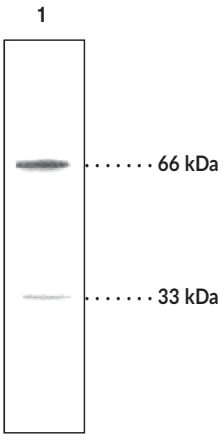
PINK1 Polyclonal Antibody

Item No. 10006283

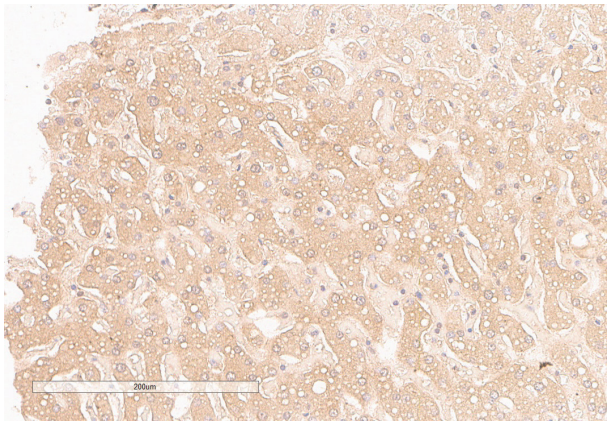
Overview and Properties

Contents:	This vial contains 500 µl of peptide affinity-purified antibody.
Synonyms:	BRPK, PARK6, PTEN Induced Putative Kinase 1
Immunogen:	Synthetic peptide from the C-terminal region of human PINK1
Species Reactivity:	(+) Human, mouse, and rat; other species not tested
Form:	Liquid
Storage:	-20°C (as supplied)
Stability:	≥3 years
Storage Buffer:	PBS, pH 7.2, with 50% glycerol and 0.02% sodium azide
Host:	Rabbit
Applications:	Immunohistochemistry (IHC) and Western blot (WB); the recommended starting dilution for IHC is 1:100 and 1:200 for WB. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Images



Lane 1: Mouse liver 100,000 x g pellet (30 µg)



Immunohistochemistry analysis of formalin-fixed, paraffin-embedded (FFPE) human liver tissue after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with PINK1 Polyclonal Antibody (Item No. 10006283) at a 1:200 dilution, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen (DAB).

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PRODUCT INFORMATION

Description

Phosphatase and tensin homolog (PTEN) dephosphorylates lipids such as phosphatidylinositol 3,4,5-triphosphate (PIP_3) and its defects contribute to a variety of human cancers. PTEN induced putative kinase 1 (PINK1) was first identified when studying the tumor-suppressive function of the PTEN signaling pathway and is thus believed to be involved in human cancer pathology.[1] The mRNA of PINK1 is expressed ubiquitously among adult tissues with most abundant expression in the heart, skeletal muscle, and testis.[1] PINK1 is located in mitochondria and its homozygous C-terminal mutation is associated with early onset of Parkinson's disease.[2]

Cayman's PINK1 Polyclonal Antibody recognizes primarily the full length protein at about 66 kDa in human, mouse, and rat tissues. In addition, a truncated form of the protein at about 33 kDa is also detected.[3]

References

1. Unoki, M. and Nakamura, Y. Growth-suppressive effects of BPOZ and EGR2, two genes involved in the PTEN signaling pathway. *Oncogene* **20**, 4457-4465 (2001).
2. Valente, E.M., Abou-Sleiman, P.M., Caputo, V., *et al.* Hereditary early-onset Parkinson's disease caused by mutations in PINK1. *Science* **304**, 1158-1160 (2004).
3. Mammalian Gene Collection (MGC) Program Team Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. *Proc. Natl. Acad. Sci. USA* **99(26)**, 16899-16903 (2002).

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