

Produktinformation



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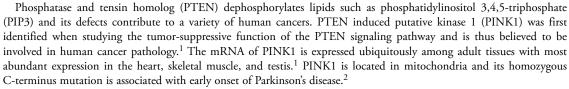
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Product Information

PTEN Induced Putative Kinase 1 (PINK1) Blocking Peptide

Item No. 10006284



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

Laboratory Procedures

This vial contains 200 µg peptide in 200 µl TBS, pH 7.4, containing 0.1% BSA and 0.02% sodium azide. The PTEN Induced Putative Kinase 1 (PINK1) blocking peptide, amino acids 484-504, can be used in conjunction with Cayman's PINK1 Polyclonal Antibody (Item No. 10006283) to block protein-antibody complex formation during immunochemical analysis of PINK1.

Store this peptide solution at -20°C. It will be stable for at least two years. To block antibody/protein complex formation, the following procedure is recommended:

- 1. Mix the PINK1 Polyclonal Antibody (Item No. 10006283) and blocking peptide together in a 1:1 (v/v) ratio in a microfuge tube. For example, mix 40 μl of antibody and 40 μl of peptide.*
- 2. Incubate for one hour at room temperature with occasional mixing prior to further dilution and application of the mixture to the immunoblot.
- 3. Dilute the reagents to the final working antibody concentration and apply to the slide or membrane as usual.

*This is a recommended mixture. The minimum amount of peptide needed for complete blocking has not been precisely determined and may vary depending on the sample being analyzed. The amount of peptide required may need to be increased if sufficient blocking does not occur.

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).
- 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).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/10006284

WARNING: This product is for laboratory research only: not for administration to humans. Not for human or veterinary DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications

art the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, districtors or its employees.

Buyer's exclusive remedy and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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