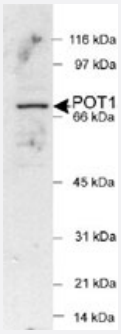
POT1 polyclonal antibody

Catalog # PAB12064 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of POT1 in HeLa nuclear extracts (25 ug) with POT1 polyclonal antibody (Cat # PAB12064).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of POT1.
Immunogen	A synthetic peptide corresponding to amino acids 200-300 of human POT1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to POT1.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycine, 150 mM NaCl
Storage Instruction	Store at 4°C. Do not freeze.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of POT1 in HeLa nuclear extracts (25 ug) with POT1 polyclonal antibody (Cat # PAB12064).

Gene Info — POT1

Entrez GeneID	25913
Gene Name	POT1
Gene Alias	DKFZp586D211, hPot1
Gene Description	POT1 protection of telomeres 1 homolog (S. pombe)
Omim ID	606478
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the telombin family and encodes a nuclear protein involved in telomere maintenance. Specifically, this protein functions as a member of a multi-protein complex that bind s to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome e nds from illegitimate recombination, catastrophic chromosome instability, and abnormal chromos ome segregation. Increased transcriptional expression of this gene is associated with stomach c arcinogenesis and its progression. Alternatively spliced transcript variants have been described. [provided by RefSeq
Other Designations	POT1-like telomere end-binding protein|protection of telomeres 1

Publication Reference

- Functional diversity of human protection of telomeres 1 isoforms in telomere protection and cellular senescence.

  Yang Q, Zhang R, Horikawa I, Fujita K, Afshar Y, Kokko A, Laiho P, Aaltonen LA, Harris CC.

  Cancer Research 2007 Dec; 67(24):11677.

  Application: WB-Ce, Human, HT1080 cells

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Telomere maintenance through spatial control of telomeric proteins.

  Chen LY, Liu D, Songyang Z.

  Molecular and Cellular Biology 2007 Aug; 27(16):5898.

  Application: WB, Human, HTC75 cells

Disease

- Breast cancer
- Breast Neoplasms
- Endometrial Neoplasms
- Genetic Predisposition to Disease
- Lung Neoplasms
- Neoplasm Metastasis
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.