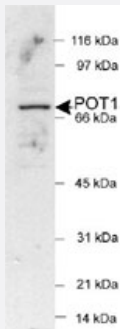


POT1 polyclonal antibody

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.

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 binds to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome ends from illegitimate recombination, catastrophic chromosome instability, and abnormal chromosome segregation. Increased transcriptional expression of this gene is associated with stomach carcinogenesis 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

- [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](#)
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