

ZSCAN4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18335A

Specification

ZSCAN4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8NAM6
Other Accession	NP_689890.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	94-120

ZSCAN4 Antibody (N-term) - Additional Information

Gene ID 201516

Other Names

Zinc finger and SCAN domain-containing protein 4, Zinc finger protein 494, ZSCAN4, ZNF494

Target/Specificity

This ZSCAN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 94-120 amino acids from the N-terminal region of human ZSCAN4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ZSCAN4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZSCAN4 Antibody (N-term) - Protein Information

Name ZSCAN4

Synonyms ZNF494

Function Embryonic stem (ES) cell-specific transcription factor required to regulate ES cell pluripotency. Binds telomeres and plays a key role in genomic stability in ES cells by regulating telomere elongation. Acts as an activator of spontaneous telomere sister chromatid exchange (T-SCE) and telomere elongation in undifferentiated ES cells (By similarity).

Cellular Location

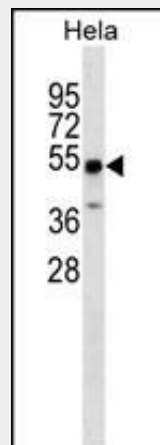
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00187}. Chromosome, telomere

ZSCAN4 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZSCAN4 Antibody (N-term) - Images



ZSCAN4 Antibody (N-term) (Cat. #AP18335a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the ZSCAN4 Antibody detected the ZSCAN4 protein (arrow).

ZSCAN4 Antibody (N-term) - Background

The ZSCAN4 gene encodes a protein involved in telomere maintenance and with a key role in the critical feature of mouse embryonic stem (ES) cells, namely, defying cellular senescence and maintaining normal karyotype for many cell divisions in culture (Zalzman et al., 2010 [PubMed 20336070]).

ZSCAN4 Antibody (N-term) - References

Zalzman, M., et al. Nature 464(7290):858-863(2010)
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)