

ZSCAN4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18335a**Specification**

ZSCAN4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8NAM6](#)**ZSCAN4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 201516**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ZSCAN4 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZSCAN4 Antibody (N-term) Blocking Peptide - Images

ZSCAN4 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - References

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