



Rabbit Anti-ZSCAN4 antibody

SL16399R

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| Product Name: | ZSCAN4 |
| Chinese Name: | ZSCAN4蛋白抗体 |
| Alias: | FLJ35105; MGC126787; MGC126789; Zinc finger and SCAN domain containing 4; Zinc finger and SCAN domain containing protein 4; Zinc finger and SCAN domain-containing protein 4; Zinc finger protein 494; ZNF 494; ZNF494; ZSCA4_HUMAN; ZSCAN4. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 49kDa |
| Cellular localization: | The nucleus |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human ZSCAN4:331-433/433 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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]).[supplied by OMIM, May 2010] |

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.

Subcellular Location:

Nucleus. Chromosome > telomere.

Similarity:

Contains 4 C2H2-type zinc fingers.
Contains 1 SCAN box domain.

SWISS:

Q8NAM6

Gene ID:

201516

Database links:

[Entrez Gene: 201516](#) Human

[Omim: 613419](#) Human

[SwissProt: Q8NAM6](#) Human

[Unigene: 469663](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.