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ZSCAN4 Rabbit pAb

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Catalog # AP56245

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8NAM6
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48957
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZSCAN4
Epitope Specificity	331-433/433
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Chromosome > telomere.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	201516
Other Names	Zinc finger and SCAN domain-containing protein 4, Zinc finger protein 494, ZSCAN4, ZNF494
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

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

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.