

Product datasheet for **AP23939PU-N**

ZSCAN4 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1 - 2 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	18 amino acid peptide near the carboxy terminus of Human ZSCAN4
Specificity:	This antibody reacts to the C-term of Zinc Finger And SCAN Domain Containing 4 (ZSCAN4).
Formulation:	PBS containing 0.02% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	zinc finger and SCAN domain containing 4
Database Link:	Entrez Gene 201516 Human Q8NAM6



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Background:

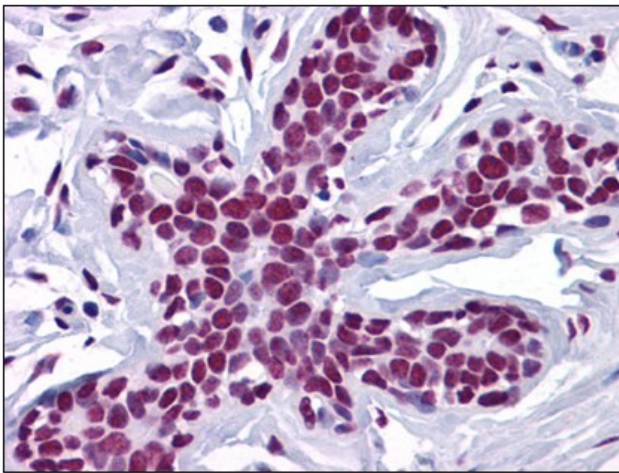
Zytotic genome activation (ZGA) is the first and most critical transition event from the maternal genetic to the embryonic genetic program and the major burst of ZGA occurs only in the late 2-cell stage. ZSCAN4 encodes a SCAN domain and four zinc finger domains and is expressed in late 2-cell embryos and embryonic stem cells. Loss-of-function studies using siRNA shows delays in the progression from the 2-cell to the 4-cell stage and subsequent embryo development. ZSCAN4 plays an important role in the preimplantation development. Also, ZSCAN4 is involved in telomere maintenance and long term genomic stability in ES cells, suggesting that ZSCAN4 may be of critical importance in maintaining pluripotency in replicating stem cells.

Synonyms:

ZNF494, Zinc finger protein 494

Protein Families:

Transcription Factors

Product images:

Human Breast: Formalin-Fixed, Paraffin-Embedded (FFPE)