
ZSCAN4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254225

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: ZSCAN4; Zinc finger and SCAN domain containing 4; ZNF494; FLJ35105

Accession No.: NP_689890

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human ZSCAN4.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.