

Rabbit ZSCAN4 Polyclonal Antibody | anti-ZSCAN4 antibody

ZSCAN4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305232	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

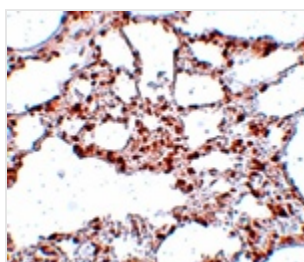
PRODUCT SYNONYMS

ZSCAN4; Polyclonal Antibody; ZSCAN4 Antibody; Zinc finger and SCAN domain containing 4; ZNF494; FLJ35105; anti-ZSCAN4 antibody

PRODUCT SPECIFICATIONS

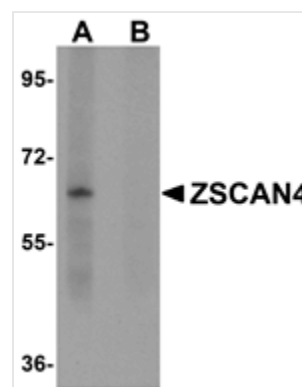
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	433
Applicable Applications for anti-ZSCAN4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide near the carboxy terminus of human ZSCAN4.
Target Name	ZSCAN4
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of ZSCAN4 in rat lung tissue with ZSCAN4 antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of ZSCAN4 in mouse lung tissue lysate with ZSCAN4 antibody in (A) the absence and (B) presence of peptide blocking.

ADDITIONAL INFORMATION

Related Product Information for anti-ZSCAN4 antibody	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.
Product Categories/Family for anti-ZSCAN4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	22749365
NCBI GeneID	201516
NCBI Accession #	NP_689890
NCBI GenBank Nucleotide #	NM_152677.2
Molecular Weight	48,957 Da
NCBI Official Full Name	zinc finger and SCAN domain-containing protein 4
NCBI Official Synonym Full Names	zinc finger and SCAN domain containing 4
NCBI Official Symbol	ZSCAN4
NCBI Official Synonym Symbols	ZNF494
NCBI Protein Information	zinc finger and SCAN domain-containing protein 4
UniProt Protein Name	Zinc finger and SCAN domain-containing protein 4
UniProt Gene Name	ZSCAN4
UniProt Synonym Gene Names	ZNF494
UniProt Entry Name	ZSCA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.