

Rabbit ZSCAN4 Polyclonal Antibody | anti-ZSCAN4 antibody

ZSCAN4 Antibody

CATALOG # AAA40382	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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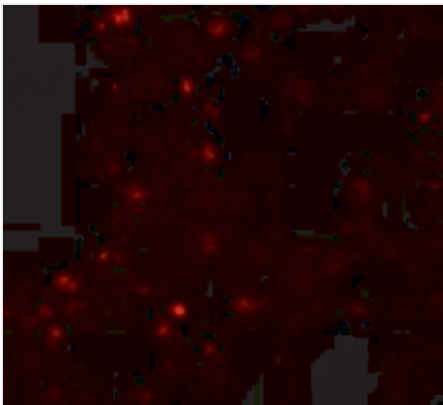
PRODUCT SYNONYMS

ZSCAN4; Polyclonal Antibody; ZSCAN4 Antibody; ZNF494; Zinc finger and SCAN domain-containing protein 4; Zinc finger protein 494; zinc finger and SCAN domain containing 4; anti-ZSCAN4 antibody

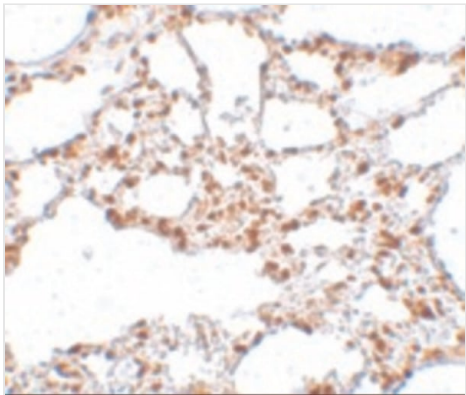
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	ZSCAN4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	433
Applicable Applications for anti-ZSCAN4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ZSCAN4 antibody was raised against a 18 amino acid synthetic peptide near the carboxy terminus of human ZSCAN4.
Buffer	ZSCAN4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

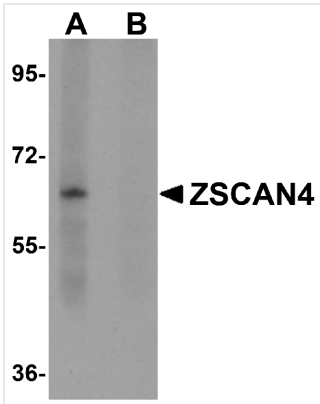
IMAGES



IF (Immunofluorescence)
Immunofluorescence of ZSCAN4 in Rat Lung tissue with ZSCAN4 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of ZSCAN4 in rat lung tissue with ZSCAN4 antibody at 5 μg/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 blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ZSCAN4 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22749365
NCBI GeneID	201516
NCBI Accession #	NP_689890.1
NCBI GenBank Nucleotide #	NM_152677.2
UniProt Accession #	Q8NAM6; Q3MIQ2
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; zinc finger protein 494
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/zscan4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40382>