

Product datasheet for **CF800448**

ZSCAN4 Mouse Monoclonal Antibody [Clone ID: OTI3B1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3B1
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Dog
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 164-433 of human ZSCAN4 (NP_689890) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48.8 kDa
Gene Name:	zinc finger and SCAN domain containing 4
Database Link:	NP_689890 Entrez Gene 106559239 Dog Entrez Gene 201516 Human Q8NAM6



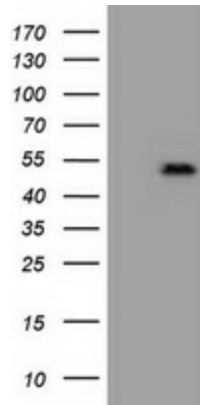
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Background: The ZSCAN4 gene encodes a protein involved in telomere maintenance and with a key role in the critical feature of mouse embryonic stem (ES) cells, namely, defying cellular senescence and maintaining normal karyotype for many cell divisions in culture (Zalzman et al., 2010 [PubMed 20336070]). [supplied by OMIM, May

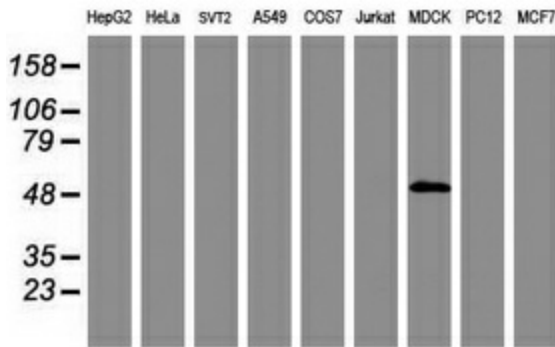
Synonyms: ZNF494

Protein Families: Transcription Factors

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ZSCAN4 (Cat# [RC211003], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ZSCAN4(Cat# [TA800448]). Positive lysates [LY407355] (100ug) and [LC407355] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ZSCAN4 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).