

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ZSCAN21 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ZSCAN21 Asn139-Asp223 Accession # Q9Y5A6
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ZSCAN21 (Zinc finger and SCAN domain-containing protein 21; also Zfp-38, NY-REN-21, Zipro1 and Ru49) is a nuclear member of the multi-finger SCAN box protein family. It is expressed in select cell types, including cerebellar granule cells, Schwann cells, cerebral cortical and sympathetic neurons, round spermatids, and cells of the hair follicles plus sebaceous glands. It may have multiple functions, one of which is to initiate transcription of neuronal α -synuclein, while a second may be to promote granule cell proliferation. Human ZSCAN21 is 473 amino acids (aa) in length. It contains one SCAN (SREZBP, Ctfin51, AW-1/ ZNF174, and Number 18) domain (aa 45-127) that mediates dimerization, followed by seven consecutive C2H2-type zinc-finger regions (aa 277-466). ZSCAN21 is known to form both noncovalent homodimers and heterodimers with SCAND1. There is one potential isoform variant that shows a 188 aa substitution for aa 263-473. Over aa 139-223, human ZSCAN21 shares 54% aa sequence identity with mouse ZSCAN21.

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