

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 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.