

## ARG58673 anti-ZSCAN4 antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes ZSCAN4                                         |
| Tested Reactivity   | Hu                                                                                   |
| Tested Application  | WB                                                                                   |
| Host                | Rabbit                                                                               |
| Clonality           | Polyclonal                                                                           |
| Isotype             | IgG                                                                                  |
| Target Name         | ZSCAN4                                                                               |
| Species             | Human                                                                                |
| Immunogen           | Recombinant fusion protein corresponding to aa. 1-310 of Human ZSCAN4 (NP_689890.1). |
| Conjugation         | Un-conjugated                                                                        |
| Alternate Names     | Zinc finger protein 494; Zinc finger and SCAN domain-containing protein 4; ZNF494    |

### Application Instructions

| Application table | <table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>                              | Application | Dilution | WB | 1:500 - 1:2000 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|----|----------------|
| Application       | Dilution                                                                                                                                   |             |          |    |                |
| WB                | 1:500 - 1:2000                                                                                                                             |             |          |    |                |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |          |    |                |
| Positive Control  | SH-SY5Y                                                                                                                                    |             |          |    |                |
| Observed Size     | 65 kDa                                                                                                                                     |             |          |    |                |

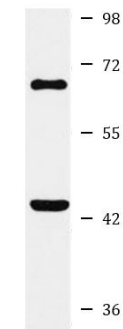
### Properties

|                     |                                                                                                                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                            |
| Purification        | Affinity purified.                                                                                                                                                                                                                                                                                                |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.                                                                                                                                                                                                                                                                |
| Preservative        | 0.02% Sodium azide                                                                                                                                                                                                                                                                                                |
| Stabilizer          | 50% Glycerol                                                                                                                                                                                                                                                                                                      |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                              |

Bioinformation

|                       |                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol           | ZSCAN4                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Full Name        | zinc finger and SCAN domain containing 4                                                                                                                                                                                                                                                                                                                                  |
| 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 2010]                                          |
| Function              | Embryonic stem (ES) cell-specific transcription factor required to regulate ES cell pluripotency. Binds telomeres and plays a key role in genomic stability in ES cells by regulating telomere elongation. Acts as an activator of spontaneous telomere sister chromatid exchange (T-SCE) and telomere elongation in undifferentiated ES cells (By similarity). [UniProt] |
| Calculated Mw         | 49 kDa                                                                                                                                                                                                                                                                                                                                                                    |
| Cellular Localization | Nucleus, Chromosome, telomere. [UniProt]                                                                                                                                                                                                                                                                                                                                  |

Images



SH-SY5Y

ARG58673 anti-ZSCAN4 antibody WB image

Western blot: 25 µg of SH-SY5Y cell lysate stained with ARG58673 anti-ZSCAN4 antibody at 1:3000 dilution.