# Human LIN-41 Alexa Fluor® Plus 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5104AFP594
100 µg

## DESCRIPTION

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| **Species Reactivity** | Human |
| **Specificity** | Detects human LIN-41 in direct ELISAs and Western blots. |
| **Source** | Polyclonal Sheep IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | *E. coli*-derived recombinant human LIN-41<br>Val386-Phe868<br>Accession # Q2Q1W2 |
| **Conjugate** | Alexa Fluor Plus 594<br>Excitation Wavelength: 590 nm<br>Emission Wavelength: 618 nm |
| **Formulation** | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.<br><br>*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.*

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

## DATA

## PREPARATION AND STORAGE

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| **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

LIN-41 (lineage-41; also TRIM/tripartite motif-containing protein 71) is a 94 kDa (predicted) cytosolic member of the RBCC (RING finger, B-Box Coiled-Coil) family of proteins. It is expressed in developing limbs, DRG and branchial arches and apparently regulates the timed expression of proliferation and differentiation-associated genes. Human LIN-41 is 868 amino acids (aa) in length. It contains a RING-type zinc finger region (aa 12-95), a His-rich segment (aa 146-157), two B Box zinc fingers that bind DNA (aa 194-314), a coiled-coil motif that binds protein (aa 391-427), one filamin repeat and six NHL repeats that regulate gene translation (aa 593-868). Over aa 386-868, human LIN-41 is 97%, 95%, and 94% aa identical to canine, mouse, and chicken LIN-41, respectively.

## PRODUCT SPECIFIC NOTICES

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