

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human LIN-28A in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human LIN-28A Met1-Asn209 Accession # Q9H9Z2
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

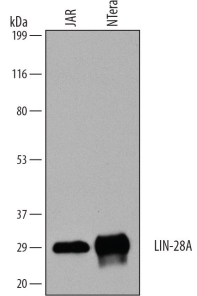
**APPLICATIONS**

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	See Below
<b>Immunocytochemistry</b>	5-15 µg/mL	See Below

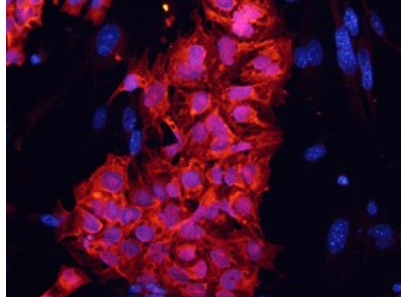
**DATA**

**Western Blot**



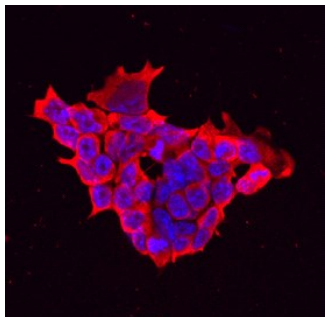
**Detection of Human LIN-28A by Western Blot.**  
Western blot shows lysates of JAR human choriocarcinoma cell line and Ntera-2 human testicular embryonic carcinoma cell line. PVDF membrane was probed with 0.1 µg/mL of Goat Anti-Human LIN-28A Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3757) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for LIN-28A at approximately 30 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

**Immunocytochemistry**



**LIN-28A in BG01V Human Stem Cells.** LIN-28A was detected in immersion fixed BG01V human embryonic stem cells using 10 µg/mL Goat Anti-Human LIN-28A Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3757) for 3 hours at room temperature. Cells were stained with the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

**Immunocytochemistry**



**LIN-28A in D3 Mouse Stem Cells.** LIN-28A was detected in immersion fixed D3 mouse embryonic stem cell line using Goat Anti-Human LIN-28A Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3757) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Human LIN-28 (Protein lin-28 homolog A; CSDD1, LIN28 and ZCCHC1) is a 30 kDa (209 amino acids) cytoplasmic RNA-binding protein with an N-terminal cold shock domain and two C-terminal CCHC zinc finger domains. It is expressed by various undifferentiated embryonic cell types and is also present in adult cardiac and skeletal muscle. Expression of LIN-28 has been shown to be regulated by micro-RNA. Human LIN-28 shares 98% and 97% amino acid sequence homology with rat and mouse LIN-28, respectively.