

## DESCRIPTION

|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects human SOX17 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) SOX2 is observed. |
| <b>Source</b>             | Polyclonal Goat IgG   |
| <b>Purification</b>       | Antigen Affinity-purified   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human SOX17<br>Asp177-Val414<br>Accession # Q9H6I2  |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.          |

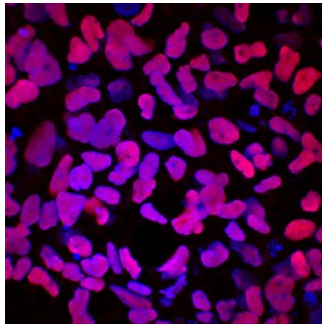
## APPLICATIONS

**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                        | Recombinant Human SOX17 |
| <b>Immunocytochemistry</b> | 5-15 µg/mL                       | See Below               |

## DATA

### Immunocytochemistry



**SOX17 in iBJ6 Cell Line.** SOX17 was detected in immersion fixed iBJ6, an induced pluripotent stem (iPS) cell line, differentiated to endoderm using Goat Anti-Human SOX17 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF1924) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Streptavidin (red; Catalog # NL999) and counterstained with DAPI (blue). Specific staining was localized to nuclei. View our protocol for [Fluorescent ICC Staining of Stem 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.  |
| <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

SOX17 is a member of the SOX family of transcription factors that bind DNA via a high mobility group (HMG) domain. SOX17 is suggested to play an important role in endoderm development (1, 2). In Western blot, BAF1924 detects a 60 kDa band of endogenous SOX17 which is higher than predicted molecular weight but consistent with the current literature (3).

### References:

1. Kanai-Azuma, M. *et al.* (2002) *Development* **129**:2367.
2. Katoh, M. *et al.* (2002) *Int. J. Mol. Med.* **9**:153.
3. Sohn, J. *et al.* (2006) *J. Neuroscience* **26**:9722.