

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SOX21 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) SOX1, rhSOX2 and rhSOX15 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SOX21 Ser2-Leu276 (Gly102Ser) Accession # Q9Y651
Formulation	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.

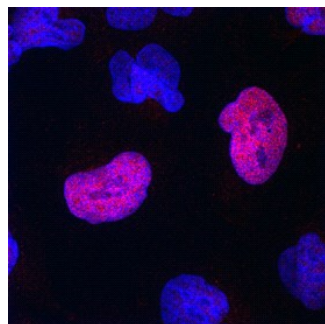
APPLICATIONS

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human SOX21
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



SOX21 in Ntera-2 Human Cell Line.
SOX21 was detected in immersion fixed Ntera-2 human testicular embryonic carcinoma cell line using Goat Anti-Human SOX21 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3538) 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 nuclei. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SOX21 is a member of the B group of the SOX family HMG-box transcription factors. It is a 276 amino acid residue protein that has an N-terminal HMG-box and a C-terminal domain that is required for the SOX21 neurogenesis function. Human and mouse SOX 21 share 99% amino acid sequence identity.