

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SOX3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) SOX2, rhSOX7, rhSOX10, and rhSOX17 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SOX3 Met1-Leu230 Accession # P41225
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.

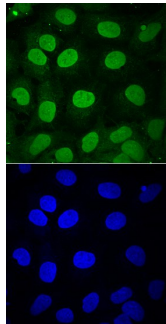
APPLICATIONS

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 SOX3
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



SOX3 in Ntera-2 Human Cell Line. SOX3 was detected in immersion fixed Ntera-2 human testicular embryonic carcinoma cell line differentiation with retinoic acid using Goat Anti-Human SOX3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2569) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 493-conjugated Anti-Goat IgG Secondary Antibody (green, upper panel; Catalog # NL003) and counterstained with DAPI (blue, lower panel). 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

SOX3 belongs to the SOX family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The SOX3 gene is localized on the X chromosome and is expressed in the brain and gonads. It has been suggested that SOX3 plays a role in brain formation and function. Human and mouse SOX3 share 92% amino acid sequence identity.