

DESCRIPTION

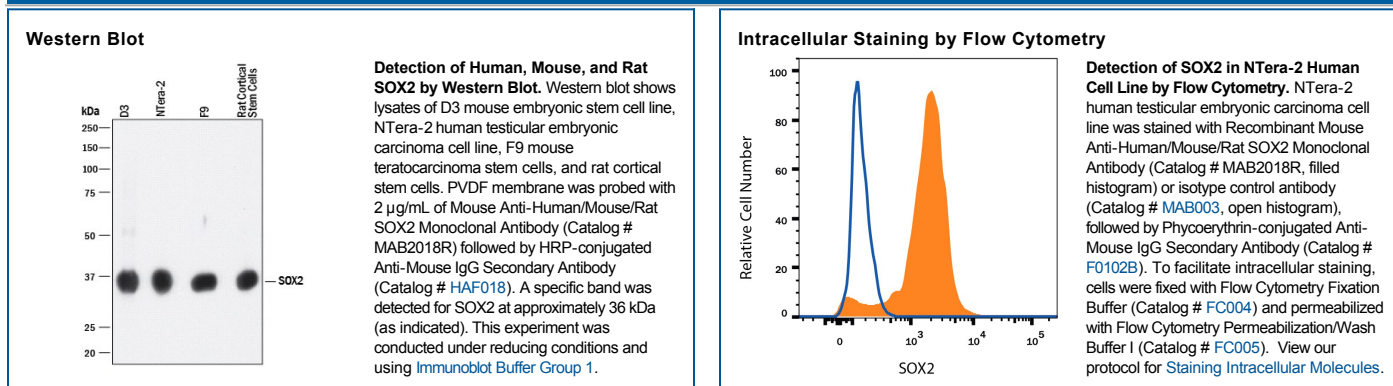
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human and mouse SOX2 in Western blots.
Source	Recombinant Monoclonal Mouse IgG _{2A} Clone # 245610R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SOX2 Gly135-Met317 Accession # P48431
Formulation	Supplied as a solution in PBS. 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	2 µg/mL	See Below
Intracellular Staining by Flow Cytometry	0.25 µg/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. 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 opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

SOX2 belongs to the SOX (SRY-like HMG box) family of transcription factors with diverse roles in development. SOX2 functions in specifying the first three lineages present at implantation and in regulating proliferation and differentiation in the developing peripheral nervous system (1-6).

References:

1. Graham, V. *et al.* (2003) *Neuron* **39**:749.
2. Avilion, A.A. *et al.* (2003) *Genes Dev.* **17**:126.
3. Kishi, M. *et al.* (2000) *Development* **127**:791.
4. Yuan, H. *et al.* (1995) *Genes Dev.* **9**:2635.
5. Uwanogho, D. *et al.* (1995) *Mech. Dev.* **49**:23.
6. Stevanovic, M. (2003) *Mol. Biol. Rep.* **30**:127.