

Anti-Sox2 (Thr-118), Phosphospecific Antibody



Product Details

Available Variants	100 µL (SKU:SP5521)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	SOX2
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:50
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	Phospho-Sox2 (Thr-118) synthetic peptide (coupled to carrier) corresponding to amino acids surrounding Thr-118 in mouse Sox2. This site is well conserved in rat and human Sox2, and has high homology with the conserved site in Sox1 (Thr-126) and Sox3 (Thr-144), but low homology to other Sox family members.
Specificity	The antibody was cross adsorbed to unphosphorylated Sox2 (Thr-118) peptide before affinity purification using phospho-Sox2 (Thr-118) peptide. This antibody antibody detects a 34 kDa* protein on SDS-PAGE immunoblots of mouse F9 stem cells. This reactivity is not observed after lambda phosphatase dephosphorylation of Sox2.
Molecular Weight	34
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

-20°C.

UniProt ID P48432

Country of Origin United States

Shipping Blue Ice

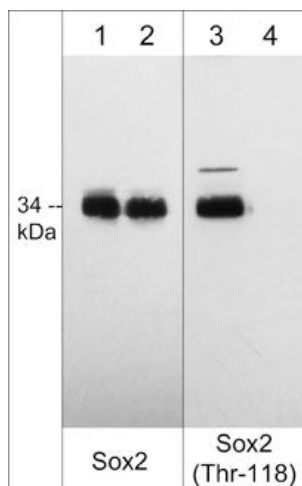
Expiration After date of receipt, stable for at least 1 year at -20°C.

Usage Statement For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

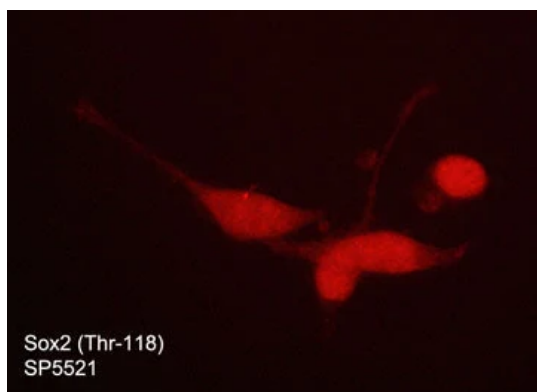
Post Translational Modification Type Phosphorylated

Post Translational Modification Residue Thr-118

Product Images



Western blot image of mouse F9 stem cells treated with with calyculin A (100 nM, 30 min.) (lanes 1-4) then Sox2 was dephosphorylated with lambda phosphatase (lanes 2 & 4). The blot was probed with mouse monoclonal Sox2 (lanes 1 & 2) and rabbit polyclonal anti-Sox2 (Thr-118) phospho-specific antibody (lanes 3 & 4).



Immunocytochemical labeling of phosphorylated Sox2 in aldehyde fixed and NP-40 permeabilized human NCI-H446 lung carcinoma cells. The cells were labeled with rabbit polyclonal anti-Sox2 (Thr-118) phospho-specific (SP5521). The antibody was detected using goat anti-rabbit DyLight® 594.

Product Page URL: www.antibodiesinc.com/products/anti-sox2-thr-118-phosphospecific-antibody-sp5521



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