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orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Sox2 Antibody

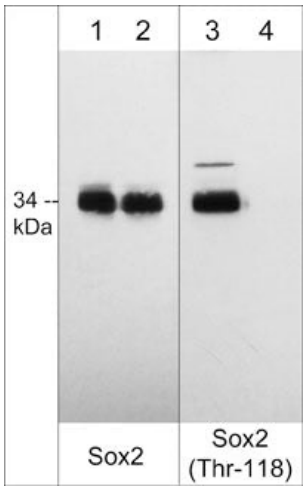
phosphosolutions ANTIBODIES THAT WORK

Product Details

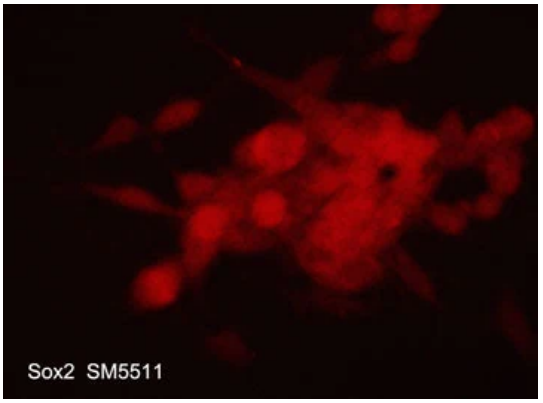
Available Variants	100 µL (SKU:SM5511)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	M551
Gene Name	SOX2
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:500 ICC: 1:50
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	Clone M551 was generated from a recombinant protein corresponding to the full length sequence from human Sox2. This sequence is highly conserved in rat and mouse Sox2.
Specificity	This antibody antibody detects a 34 kDa* protein on SDS-PAGE immunoblots of mouse F9 stem cells, and detects a full length recombinant human Sox2 protein.
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	P48431 UniProt Summary: Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Binds to the proximal enhancer region of NANOG. Critical for early embryogenesis and for embryonic stem cell pluripotency. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation. May function as a switch in neuronal development.
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.
NCBI Gene ID	6657

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 Sox2 in aldehyde fixed and NP-40 permeabilized human NCI-H446 lung carcinoma cells. The cells were labeled with mouse monoclonal anti-Sox2 (SM5511). The antibody was detected using goat anti-mouse DyLight® 594.

Product Page URL: www.antibodiesinc.com/products/anti-sox2-antibody-sm5511

Created on 21. November 2026 | All information without guarantee