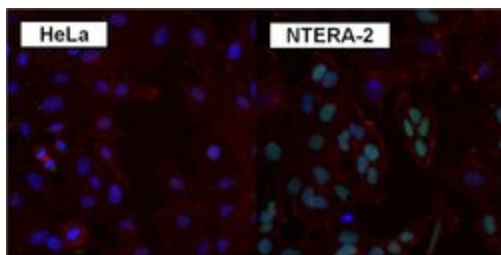


SOX2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Fish, Human, Mouse
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full-length human recombinant protein expressed in bacteria
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2539862

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	3 Publications
Immunohistochemistry (IHC)	-	18 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:500	6 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:50-1:500	-
Immunocytochemistry (ICC/IF)	1:100-1:500	4 Publications
Flow Cytometry (Flow)	1:100	1 Publication
Immunoprecipitation (IP)	5 µg, 1:1,000	-
In Situ Hybridization (ISH) (ISH)	-	1 Publication
CUT&RUN (C&R)	1:100	-

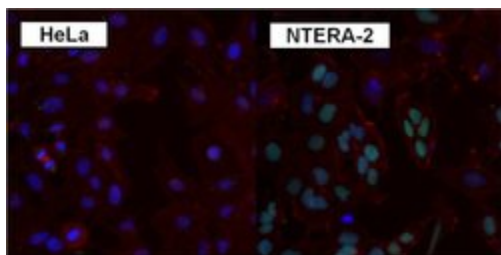
Advanced Verification Data



SOX2 Antibody (PA1-094)

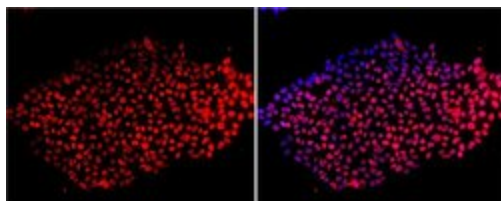
The specificity of anti-SOX2 polyclonal antibody (Product # PA1-094) was demonstrated by the immunofluorescence detection of specific expression of Sox2 in human embryonal carcinoma NTERA-2 cells (shown in green) but not in negative control HeLa cells. Relative expression validation info.

Product Images For SOX2 Polyclonal Antibody



SOX2 Antibody (PA1-094) in ICC/IF

Immunofluorescent analysis of SOX2 using anti-SOX2 polyclonal antibody (Product # PA1-094) shows specific expression in human embryonal carcinoma NTERA-2 cells (shown in green) but not in negative control HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a rabbit polyclonal antibody recognizing SOX2 (Product # PA1-094), at a dilution of 1:200 for at least 1 hour at room temperature. Cells were washed with PBS and incubated with DyLight 488 goat-anti-rabbit IgG secondary antibody (Product # 35552) at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with DY-547 phalloidin, nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 20X magnification.



SOX2 Antibody (PA1-094) in ICC/IF

Immunofluorescent analysis of Sox-2 using anti-Sox-2 polyclonal antibody (Product # PA1-094) shows nuclear localization in the human embryonic stem cell line H9. Sox-2 staining (red) and an overlay image of Sox-2 with DAPI (pink) is shown. H9 cells were grown on matrigel coated chamber slides, fixed with formaldehyde and permeabilized with 0.1% Triton X-100 in TBS for 15 minutes at room temperature. The cells were probed with a rabbit polyclonal antibody recognizing Sox-2 (Product # PA1-094) at a dilution of 1:100 overnight at 4 °C, washed with PBS and incubated with a FITC-conjugated secondary antibody at a dilution of 1:100 for 60 minutes at room temperature. Images were taken at 20X magnification.

[View more figures on thermofisher.com](https://www.thermofisher.com)

33 References

Western Blot (3)

Frontiers in surgery

The Identification of Three Cancer Stem Cell Subpopulations within Moderately Differentiated Lip Squamous Cell Carcinoma.

"Published figure using SOX2 polyclonal antibody (Product # PA1-094) in Western Blot"

Authors: Ram R, Brasch HD, Dunne JC, Davis PF, Tan ST, Itinteang T

Species
Human

Dilution
1:1000

Year
2020

Frontiers in surgery

Cancer Stem Cells in Glioblastoma Multiforme.

"Published figure using SOX2 polyclonal antibody (Product # PA1-094) in Immunofluorescence"

Authors: Bradshaw A, Wickremesekera A, Brasch HD, Chibnall AM, Davis PF, Tan ST, Itinteang T

Species
Human

Dilution
1:5000

Year
2016

[View more WB references on thermofisher.com](#)

Immunohistochemistry (18)

Frontiers in surgery

Stemness-Associated Markers Are Expressed in Extracranial Arteriovenous Malformation.

"Published figure using SOX2 polyclonal antibody (Product # PA1-094) in Immunohistochemistry"

Authors: Luke Krishnan CS, Brasch HD, Patel J, Bockett N, Paterson E, Davis PF, Tan ST

Species
Not Applicable

Dilution
Not Cited

Year
2021

Journal of clinical neuroscience : official journal of the
Neurosurgical Society of Australasia

Embryonic stem cell-like subpopulations are present within Schwannoma.

"PA1-094 was used in Immunohistochemistry to identify ESC-like cells in Schwannoma using the induced-pluripotent stem cell (iPSC) markers OCT4, SOX2, NANOG, KLF4 and c-MYC."

Authors: Kilmister EJ, Patel J, Bockett N, Chang-McDonald B, Sim D, Wickremesekera A, Davis PF, Tan ST

Species
Human

Dilution
1:500

Year
2020

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (6)

ICC/IF (4)

Flow (1)

ISH (1)

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