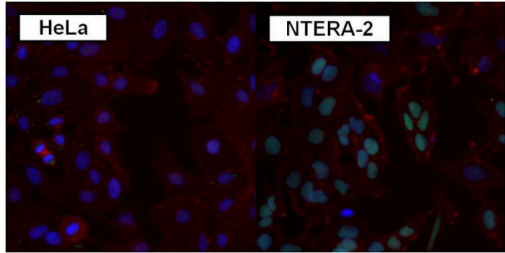


SOX2 Polyclonal Antibody

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

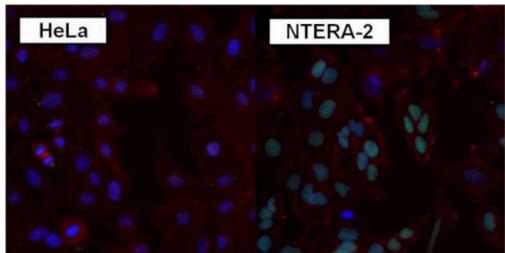
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	4 Publications
Immunohistochemistry (IHC)	-	21 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:500	6 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:50-1:500	-
Immunocytochemistry (ICC/IF)	1:100-1:500	4 Publications
Flow Cytometry (Flow)	1:100	2 Publications
Immunoprecipitation (IP)	5 µg, 1:1,000	-
In Situ Hybridization (ISH) (ISH)	-	1 Publication
CUT&RUN (C&R)	1:100	-

Product Images For SOX2 Polyclonal Antibody



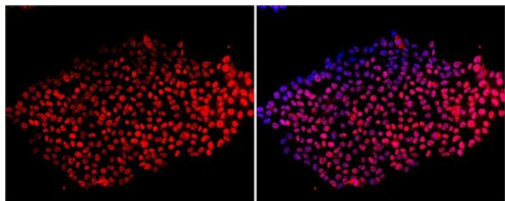
SOX2 Antibody (PA1-094)

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. {RE}



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://thermofisher.com)

Western Blot (4)

<p>Molecular neurobiology</p> <p>Latent Tri-lineage Potential of Human Menstrual Blood-Derived Mesenchymal Stromal Cells Revealed by Specific In Vitro Culture Conditions.</p> <p>"PA1-094 was used in Western Blot to show that MenSCs are a reliable source to obtain functional neurogenic cells to further investigate the neurobiology of neurologic disorders."</p> <p>Authors: Quintero-Espinosa D,Soto-Mercado V,Quintero-Quinchia C,Mendivil-Perez M,Velez-Pardo C,Jimenez-Del-Rio M</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:5000</p>
<p>Frontiers in surgery</p> <p>The Identification of Three Cancer Stem Cell Subpopulations within Moderately Differentiated Lip Squamous Cell Carcinoma.</p> <p>"PA1094 was used in immunohistochemistry and western blot to identify and characterize cancer stem cells in moderately differentiated lip squamous cell carcinoma"</p> <p>Authors: Ram R,Brasch HD,Dunne JC,Davis PF,Tan ST,Itinteang T</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:1000</p>

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

Immunohistochemistry (21)

<p>Frontiers in oncology</p> <p>Cathepsins B, D, and G Are Expressed in Metastatic Head and Neck Cutaneous Squamous Cell Carcinoma.</p> <p>"Published figure using SOX2 polyclonal antibody (Product # PA1-094) in Immunohistochemistry"</p> <p>Authors: Humphries F,Chang-McDonald B,Patel J,Bockett N,Paterson E,Davis PF,Tan ST</p>	<p>Year 2022</p>
<p>Frontiers in medicine</p> <p>Embryonic Stem Cell-Like Subpopulations in Venous Malformation.</p> <p>"Published figure using SOX2 polyclonal antibody (Product # PA1-094) in Immunohistochemistry"</p> <p>Authors: Tan EMS,Siljee SD,Brasch HD,Enriquez S,Tan ST,Itinteang T</p>	<p>Year 2022</p>

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

More applications with references on thermofisher.com

- IHC (P) (6)
- ICC/IF (4)
- Flow (2)
- ISH (1)

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