

# SOX2 Polyclonal Antibody

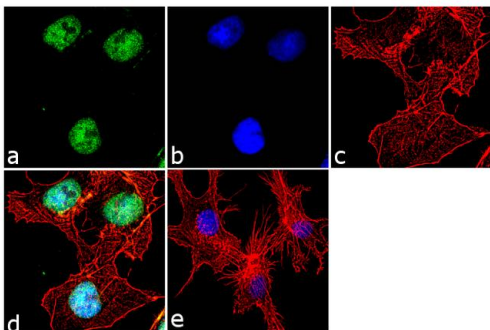
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Fruit fly, Human, Mouse, Chicken
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the N-terminal region of the human SOX2 protein
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2533841

Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	2-3 µg/mL	2 Publications
Flow Cytometry (Flow)	-		1 Publication
Immunofluorescence (IF)	✓	2-3 µg/mL	5 Publications
Miscellaneous PubMed (MISC)	-		3 Publications
Immunohistochemistry (IHC)	-	1:100	5 Publications
Western Blot (WB)	✓	1-3 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:20	
Immunoprecipitation (IP)	✓	5 µg	

## Product Images For SOX2 Polyclonal Antibody

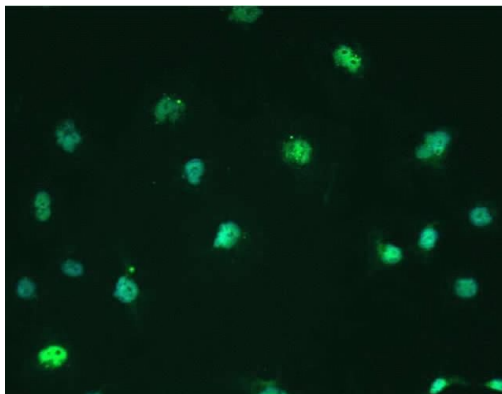
### SOX2 Antibody (48-1400) in IF

Immunofluorescence analysis of SOX2 was performed using 70% confluent log phase Hep G2 cells. The cells were fixed with Methanol for 10 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with SOX2 Rabbit Polyclonal Antibody (Product # 48-1400) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Cytoskeleton was stained with alpha-Tubulin Monoclonal Antibody (Product # 32-2500, 1 µg/mL) followed by Goat anti-Mouse IgG Secondary Antibody, Alexa Fluor® 594 conjugate (Product # A-11032, 1:400). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). Panel d represents the merged image showing nuclear localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



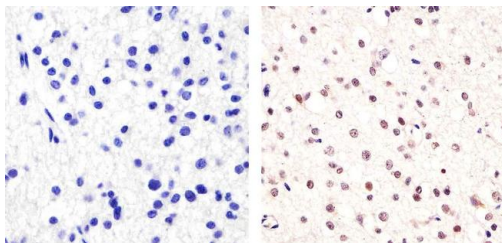
### SOX2 Antibody (48-1400) in IF

Immunofluorescence analysis of human malignant pluripotent carcinoma NTERA cells using SOX2 Polyclonal Antibody, Rabbit (Product # 48-1400).



### SOX2 Antibody (48-1400) in IHC (P)

Immunohistochemistry analysis of SOX2 showing staining in the nucleus of paraffin-embedded human glioma tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 min at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with a Anti- SOX2 Polyclonal Antibody (Product # 48-1400) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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

## 17 References

### Immunocytochemistry (2)

#### Scientific reports

#### The miR-20-Rest-Wnt signaling axis regulates neural progenitor cell differentiation.

"48-1400 was used in immunocytochemistry to analyze regulation of neural progenitor cell differentiation by the miR-20-Rest-Wnt signaling axis"

Authors: Cui Y, Han J, Xiao Z, Chen T, Wang B, Chen B, Liu S, Han S, Fang Y, Wei J, Wang X, Ma X, Dai J

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2016

#### BMC neuroscience

#### MiR-125b orchestrates cell proliferation, differentiation and migration in neural stem/progenitor cells by targeting Nestin.

"48-1400 was used in immunocytochemistry to investigate the role of miR-125b in neural stem/progenitor cells"

Authors: Cui Y, Xiao Z, Han J, Sun J, Ding W, Zhao Y, Chen B, Li X, Dai J

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2012

### Flow Cytometry (1)

#### Scientific reports

#### The miR-20-Rest-Wnt signaling axis regulates neural progenitor cell differentiation.

"48-1400 was used in immunocytochemistry to analyze regulation of neural progenitor cell differentiation by the miR-20-Rest-Wnt signaling axis"

Authors: Cui Y, Han J, Xiao Z, Chen T, Wang B, Chen B, Liu S, Han S, Fang Y, Wei J, Wang X, Ma X, Dai J

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2016

### Immunofluorescence (5)

#### Scientific reports

#### The miR-20-Rest-Wnt signaling axis regulates neural progenitor cell differentiation.

"48-1400 was used in immunocytochemistry to analyze regulation of neural progenitor cell differentiation by the miR-20-Rest-Wnt signaling axis"

Authors: Cui Y, Han J, Xiao Z, Chen T, Wang B, Chen B, Liu S, Han S, Fang Y, Wei J, Wang X, Ma X, Dai J

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2016

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

### More applications with references on thermofisher.com

MISC (3)

IHC (5)

WB (1)

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