

SOX2 Monoclonal Antibody (10F10C9)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	10F10C9
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of SOX2 (aa1-170) expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.03% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10976833

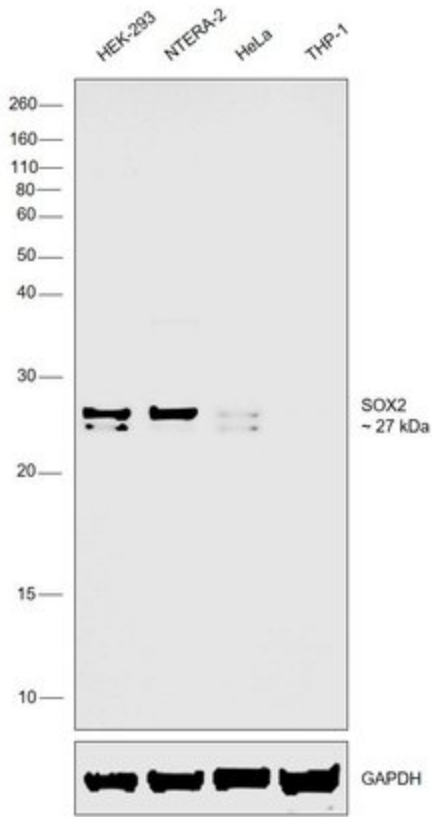
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	1:10,000	-

Product Specific Information

MA5-15449 targets SOX2 in WB applications and shows reactivity with Human samples.

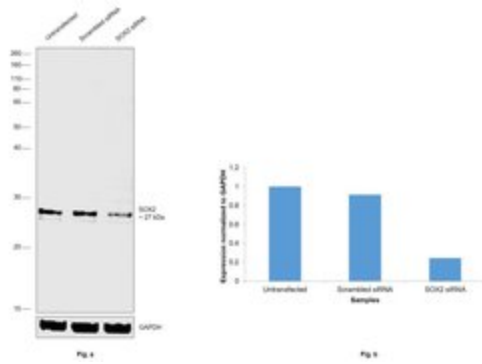
The MA5-15449 immunogen is purified recombinant fragment of SOX2 (aa1-170) expressed in E. Coli.

MA5-15449 detects SOX2 which has a predicted molecular weight of approximately 34.3kDa.



SOX2 Antibody (MA5-15449)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of SOX2 was observed in HEK-293 and NTERA-2 in comparison to HeLa and THP-1 using Anti-SOX2 Monoclonal Antibody (10F10C9) (Product # MA5-15449) in Western Blot. Relative expression validation info.



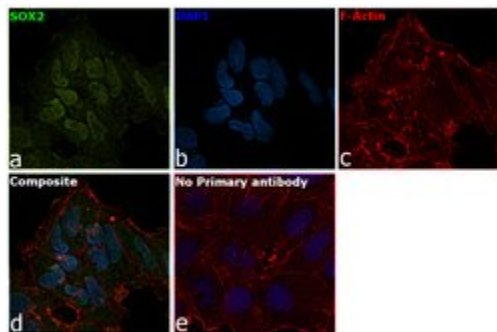
SOX2 Antibody (MA5-15449)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. NTERA-2 cl.D1 cells were transfected with SOX2 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-SOX2 Monoclonal Antibody (10F10C9) (Product # MA5-15449). Knockdown validation info.

Product Images For SOX2 Monoclonal Antibody (10F10C9)

SOX2 Antibody (MA5-15449) in ICC/IF

Immunofluorescence analysis of SOX2 was performed using 70% confluent log phase NTERA-2 cl.D1 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with SOX2 Monoclonal Antibody (10F10C9) (Product # MA5-15449) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766, 1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing nuclear and cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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