

# Brachyury Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E. coli-derived recombinant human Brachyury Ser2-Glu202
Form	Lyophilized
Concentration	0.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2610378

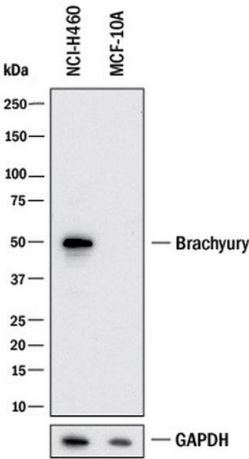
Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-1 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	5-15 µg/mL	-
Immunocytochemistry (ICC/IF)	5-15 µg/mL	1 Publication
ChIP assay (ChIP)	5 µg per million cells	-

## Product Specific Information

In direct ELISAs, approximately 25% cross-reactivity with recombinant human (rh) TBX-6 is observed, and approximately 5% cross-reactivity with rhTBX-2, rhTBX-5, and rhTBX-18 is observed.

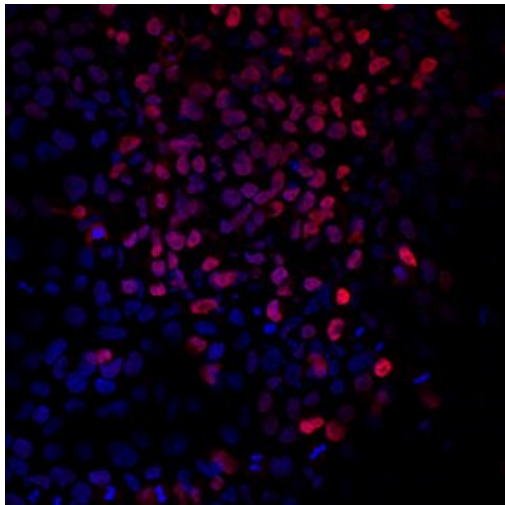
Reconstitute at 0.2 mg/mL in sterile PBS.

Product Images For Brachyury Polyclonal Antibody



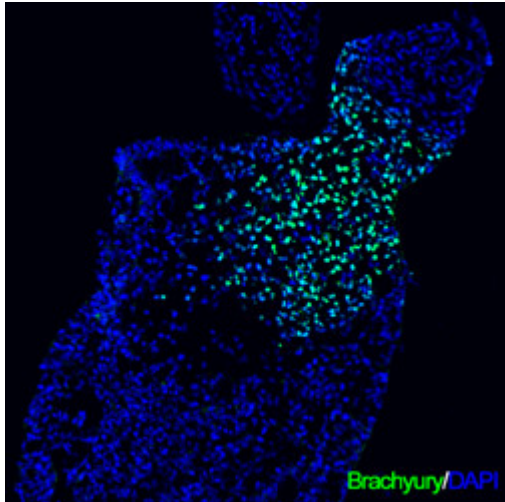
Brachyury Antibody (PA5-46984) in WB

Western blot analysis of Brachyury in lysates of NCI-H460 human large cell lung carcinoma cell line and MCF 10A human breast epithelial cell line (negative control). Samples were incubated in Brachyury polyclonal antibody (Product # PA5-46984) using a dilution of 1 µg/mL followed by HRP-conjugated Anti-Goat IgG. A specific band was detected for Brachyury at approximately 50 kDa (as indicated). GAPDH is shown as a loading control. This experiment was conducted under reducing conditions.



Brachyury Antibody (PA5-46984) in ICC/IF

Immunocytochemistry analysis of Brachyury in immersion fixed BG01V human embryonic stem cells differentiated into mesoderm. Samples were incubated in Brachyury polyclonal antibody (Product # PA5-46984) using a dilution of 10 µg/mL for 3 hours at room temperature followed by NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red) and counterstained with DAPI (blue). Specific staining was localized to nuclei.



Brachyury Antibody (PA5-46984) in ICC/IF

Immunocytochemistry analysis of Brachyury in immersion fixed differentiated human embryonic stem cells. Samples were incubated in Brachyury polyclonal antibody (Product # PA5-46984) using a dilution of 10 µg/mL for 3 hours at room temperature. Cells were stained (green) and counterstained with DAPI (blue).

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Immunocytochemistry (1)

<p>Nature protocols</p> <p><b>A microfluidics-based stem cell model of early post-implantation human development.</b></p> <p>"PA5-46984 was used in Immunocytochemistry-immunofluorescence to provide details of the design and implementation of a microfluidic device that can be used to model human embryo development."</p> <p>Authors: Zheng Y,Shao Y,Fu J</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:100</p>
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