

# Product Datasheet

## Brachyury Antibody (JE44-11) NBP2-76880

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 5/28/2024 v.20.1

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**NBP2-76880**

Brachyury Antibody (JE44-11)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JE44-11
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	47 kDa

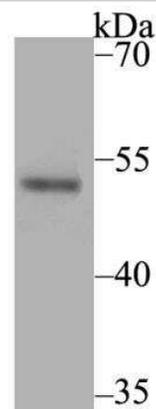
Product Description	
Host	Rabbit
Gene ID	6862
Gene Symbol	T
Species	Human, Mouse
Immunogen	Recombinant protein within Human Brachyury aa 236-435 / 435. (SwissProt: O15178 Human; SwissProt: P20293 Mouse)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

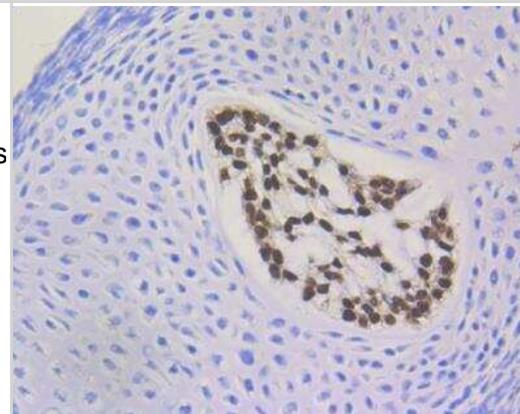


## Images

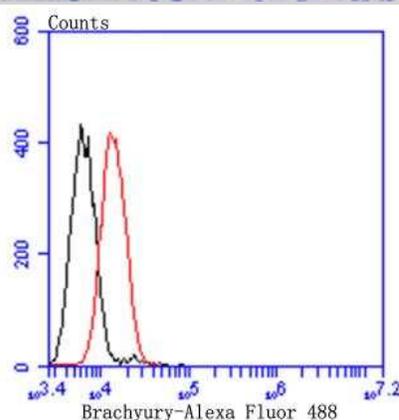
**Western Blot: Brachyury Antibody (JE44-11) [NBP2-76880]** - Western blot analysis of Brachyury / Bry on SH-SY-5Y lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:500 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.



**Immunohistochemistry: Brachyury Antibody (JE44-11) [NBP2-76880]** - Immunohistochemical analysis of paraffin-embedded mouse E14.5 embryo tissue using anti-Brachyury antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 mins. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



**Flow Cytometry: Brachyury Antibody (JE44-11) [NBP2-76880]** - Flow cytometric analysis of Brachyury was done on A549 cells. The cells were fixed, permeabilized and stained with Brachyury antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). After incubation of the primary antibody on room temperature for an hour, the cells was stained with a Alexa Fluor 488-conjugated goat anti-rabbit IgG Secondary antibody at 1/500 dilution for 30 minutes.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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