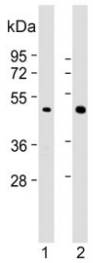
Brachyury Antibody / Protein T / TBXT (F54735)

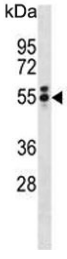
Catalog No.	Formulation	Size
F54735-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54735-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

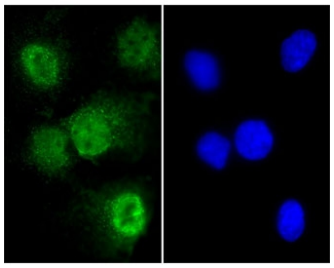
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O15178
Localization	Nuclear
Applications	Western blot: 1:500-1:2000 Immunofluorescence: 1:25
Limitations	This Brachyury antibody is available for research use only.



Western blot testing of human 1) A431 and 2) NCI-H460 cell lysate with Brachyury antibody. Predicted molecular weight ~47 kDa.



Western blot testing of human MDA-MB-453 cell lysate with Brachyury antibody. Predicted molecular weight ~47 kDa.



Immunofluorescent staining of fixed and permeabilized human A549 cells with Brachyury antibody (green) and DAPI nuclear stain (blue).

Description

The protein encoded by the TBXT gene is an embryonic nuclear transcription factor that binds to a specific DNA element, the palindromic T-site. It binds through a region in its N-terminus, called the T-box, and effects transcription of genes required for mesoderm formation and differentiation. The protein is localized to notochord-derived cells.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Brachyury antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 15-43 from the human protein was used as the immunogen for the Brachyury antibody.

Storage

Aliquot the Brachyury antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

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