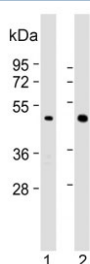


## Brachyury Antibody / Protein T / TBXT (F54735)

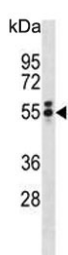
Catalog No.	Formulation	Size
F54735-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54735-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

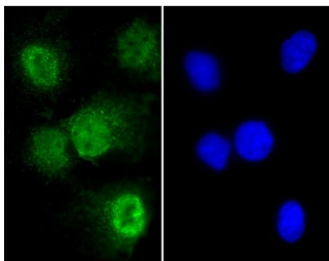
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	O15178
<b>Localization</b>	Nuclear
<b>Applications</b>	Western Blot : 1:500-1:2000 Immunofluorescence : 1:25
<b>Limitations</b>	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.