

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Brachyury in direct ELISAs and Western blots. 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.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived, recombinant human Brachyury Ser2-Glu202 Accession # O15178
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

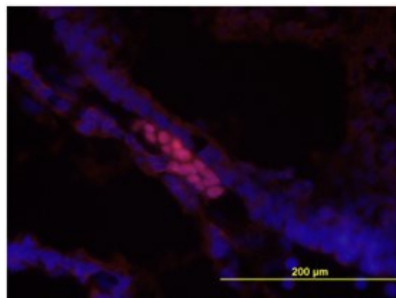
**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunocytochemistry</b>	1:10 dilution	E9.5 mouse embryo sections.

**DATA**

**Immunocytochemistry**



**Detection of Brachyury in E9.5 mouse embryo sections.**

Brachyury was detected in E9.5 mouse embryo sections using Human Brachyury NL557 conjugated Antibody (Catalog# NL2085R). Embryos were fixed in 4% paraformaldehyde, and blocked with PBS containing 10% normal donkey serum, 0.1% Triton® X 100, and 1% BSA. After blocking, sections were incubated with NL557 conjugated antibody at a final concentration of 1X (1:10 dilution) in blocking buffer for 3 hours at room temperature in the dark. Between each step, cells were washed with PBS containing BSA.

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	Store the unopened product at 2 - 8° C. Do not use past expiration date. Protect from light.

**BACKGROUND**

Brachyury is the founding member of the T-box family of transcription factors, which is characterized by the N-terminal conserved DNA-binding T-domain. Brachyury is required in the early determination and differentiation of mesoderms. Human brachyury molecule shares 90% homology with mouse brachyury.