

Anti-Brachyury/TBXT Antibody (6H365)

Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6H365
Purification:	Protein A

Applications

Verified Activity:	Immunofluorescence staining of TBXT in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human T monoclonal antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to Nucleus.
Application:	ICC/IF
Recommended	ICC-IF: 1:20-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: C-terminus of the Human Brachyury/TBXT
Antigen Species:	Human
Synonyms:	T;TFT;SAVA

Research Background

Brachyury is encoded by the TBXT gene. TBXT plays in the Cnidaria, appears to be in defining the blastopore. Brachyury is an important factor in promoting the epithelial-mesenchymal transition (EMT). Cells that over-express brachyury have down-regulated expression of the adhesion molecule E-cadherin, which allows them to undergo EMT. This process is at least partially mediated by the transcription factors AKT and Snail. Brachyury is overexpressed in a number of tumor types.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481