Recombinant TBXT / T-box transcription factor T / Brachyury Antibody

Rabbit Monoclonal Antibody [Clone TBXT/7853R]

Catalog No	Format	Size
6862-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6862-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6862-RBM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

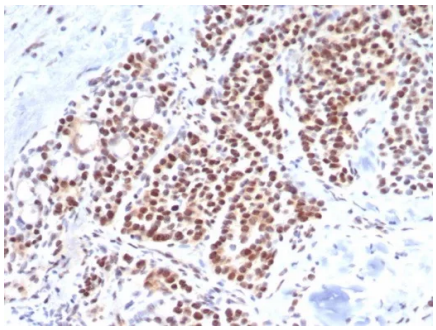
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

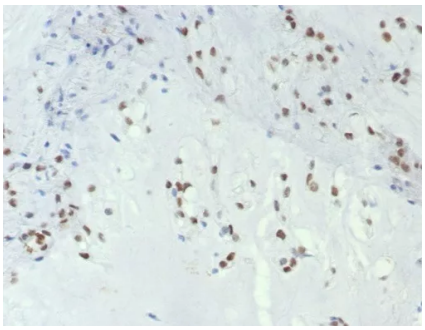
Clone	TBXT/7853R
Gene Name	TBXT
Immunogen	Recombinant fragment (around aa 235-435) of human TBXT protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	47kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	Human chordoma tissue.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant TBXT / T-box transcription factor T / Brachyury Antibody



Formalin-fixed, paraffin-embedded human parathyroid stained with TBXT Recombinant Rabbit Monoclonal Antibody (TBXT/7853R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human chordoma stained with TBXT Recombinant Rabbit Monoclonal Antibody (TBXT/7853R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

The T-box gene family consists of members that share a unique DNA binding domain. The best characterized T-box (Tbx) gene, brachyury or T, encodes a transcription factor that plays an important role in early vertebrate development. Tbx genes are a family of developmental regulators with more than 20 members recently identified among invertebrates and vertebrates. Mutations in Tbx genes have been found to cause several human diseases. The understanding of functional mechanisms of Tbx products has come mainly from the prototypical T/brachyury protein, which is a transcription activator. The T-domain is a highly conserved DNA-binding motif originally defined in brachyury and characteristic of the Tbx family of transcription factors. The murine brachyury (T) gene is required in posterior mesoderm formation and axial development. Mutant embryos lacking T gene function are deficient in notochord differentiation and posterior mesoderm formation, but develop anterior mesoderm.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology, Nuclear Marker, Stem Cell Differentiation

Limitations and Warranty