

Rabbit Brachyury Monoclonal Antibody | anti-Byn antibody

Brachyury, RMab

 CATALOG #
AAA59309

 HOST
Rabbit

PRODUCT SYNONYMS

Brachyury; Monoclonal Antibody; RMab; Brachyury - Rmab; anti-Byn antibody

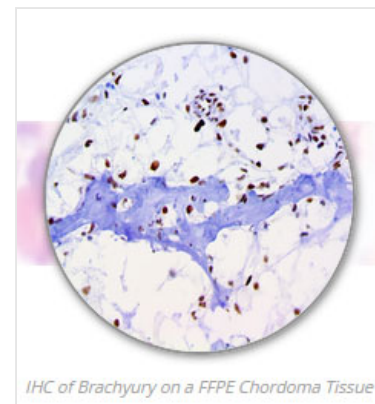
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Clone Number	RBT-TBXT
Form/Format	Cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Sequence Length	441
Control	Testis, Chordoma, Chondroma
Localization	Nuclear

IMAGES

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info



IHC of Brachyury on a FFPE Chordoma Tissue

IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-Byn antibody	Brachyury is a protein that in humans is encoded by the T gene. Brachyury is a transcription factor within the T-box complex of genes which appears to have a conserved role in defining the midline of a bilaterian organism and thus the establishment of the anterior-posterior axis; this function is apparent in chordates and molluscs. The number of cervical vertebrae is highly conserved among all mammals; however a spontaneous vertebral and spinal dysplasia (VSD) mutation in this gene has been associated with the development of six or fewer cervical vertebrae instead of the usual seven. Expression of the brachyury gene has been identified as a definitive marker of chordoma, a malignant tumor that arises from remnant notochordal cells lodged in the vertebrae. Furthermore, germ line duplication of brachyury confers major susceptibility to chordoma. The chromosomal region on 6q27 containing the brachyury gene was gained in 6 of 21 chordomas (29%), and none of the 21 chordomas analyzed showed deletions that could have affected this gene. 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. Overexpression of brachyury has been linked to Hepatocellular carcinoma. While brachyury is promoting EMT, it can also induce metastasis of HCC cells. Brachyury expression is a prognostic biomarker for HCC, and the gene may be a target for cancer treatments in the future. Additionally, overexpression of brachyury may play a part in EMT associated with benign disease such as renal fibrosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	86515408
NCBI GeneID	652935
NCBI Accession #	NP_001034532.1
NCBI GenBank Nucleotide #	NM_001039443.1
NCBI Official Full Name	brachyury
NCBI Official Symbol	Byn
NCBI Official Synonym Symbols	trg
NCBI Protein Information	brachyury

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/brachyury-antibody-clone-rbt-tbxt-elisa/59309>