

Anti-Homeobox protein Hox-B4 HoxB4 Antibody

Catalog Number: A03652-1

About HOXB4

Pro-apoptotic protein capable of selectively inducing apoptosis in cancer cells, sensitizing the cells to diverse apoptotic stimuli and causing regression of tumors in animal models. Induces apoptosis in certain cancer cells by activation of the Fas prodeath pathway and coparallel inhibition of NF-kappa-B transcriptional activity. Inhibits the transcriptional activation and augments the transcriptional repression mediated by WT1. Down-regulates the anti-apoptotic protein BCL2 via its interaction with WT1. Seems also to be a transcriptional repressor by itself. May be directly involved in regulating the amyloid precursor protein (APP) cleavage activity of BACE1.

Hongzhe Li, J. Biol. Chem., Feb 2007; 282: 4943 - 4950.

Wuhan Xiao, Cancer Res., Aug 2003; 63: 4698 - 4704.

Thierry Virolle, J. Biol. Chem., Mar 2003; 278: 11802 - 11810.

Derek J. Richard, Genes & Dev., Feb 2001; 15: 328.

Overview

Product Name	Anti-Homeobox protein Hox-B4 HoxB4 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Homeobox protein Hox-B4 HoxB4 Antibody catalog # A03652-1. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P17483

Technical Details

Immunogen	Synthesized peptide derived from human HoxB4.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:500-1:2000</p> <p>ELISA 1:10000</p>

Anti-Homeobox protein Hox-B4 HoxB4 Antibody (A03652-1) Images



Figure 1. Western blotting validation for Anti-Homeobox protein Hox-B4 HoxB4 Antibody A03652-1

Western Blot (WB) analysis of specific cells using HoxB4 polyclonal antibody. Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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