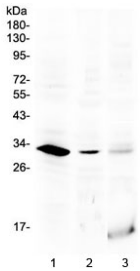
HOXB1 Antibody (C-Terminal Region) (R32961)

Catalog No.	Formulation	Size
R32961	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P14653
Applications	Western Blot: 0.5-1ug/ml
Limitations	This HOXB1 antibody is available for research use only.



Western blot testing of 1) rat testis, 2) mouse testis and 3) human MCF7 lysate with HOXB1 antibody at 0.5ug/ml. Predicted molecular weight ~32 kDa.

Description

Homeobox protein Hox-B1 is a protein that in humans is encoded by the HOXB1 gene. This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17.

Application Notes

Optimal dilution of the HOXB1 antibody should be determined by the researcher.

Immunogen

Amino acids 176-220 (TARTFDWMKVKRNPPKTAKVSEPGLGSPSGLRTNFTTRQLTELEK) were used as the immunogen for the HOXB1 antibody.

Storage

After reconstitution, the HOXB1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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