
Product Name: HOXB4 Mouse Monoclonal Antibody**Catalog #: AMM81329**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	27.6kDa

Antigen Information

Gene Name	HOXB4
Alternative Names	HOX2; HOX2F; HOX-2.6
Gene ID	3214.0
SwissProt ID	P17483
Immunogen	Purified recombinant fragment of human HOXB4 (AA: 16-251) expressed in E. Coli.

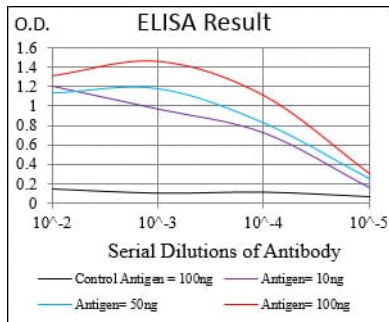
Background

This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. Intracellular or ectopic expression of this protein expands hematopoietic

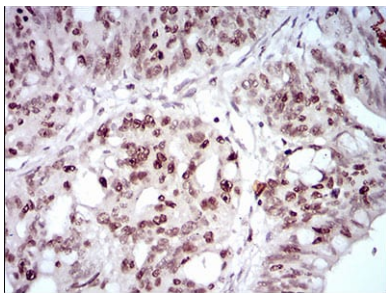
stem and progenitor cells in vivo and in vitro, making it a potential candidate for therapeutic stem cell expansion.

Research Area

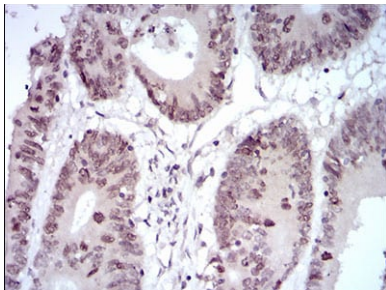
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using HOXB4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using HOXB4 mouse mAb with DAB staining.