



HoxB4 Polyclonal Antibody

Catalog No	YP-Ab-15765
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	HOXB4
Immunogen	The antiserum was produced against synthesized peptide derived from human HoxB4. AA range:86-135
Specificity	HoxB4 Polyclonal Antibody detects endogenous levels of HoxB4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	homeobox B4;Homeobox protein Hox 2.6;Homeobox protein Hox 2F;Homeobox protein Hox B4;HOX 2.6;HOX2;HOX2F;HOXB4;Homeobox protein Hox-B4; Homeobox protein Hox-2.6;Homeobox protein Hox-2F
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Nucleus.
Tissue Specificity	Placenta,Testis,Uterus,
Function	developmental stage:Expressed in whole embryos and fetuses at 5-9 weeks from conception.,function:Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.,similarity:Belongs to the Antp homeobox family. Deformed subfamily.,similarity:Contains 1 homeobox DNA-binding domain.,



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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

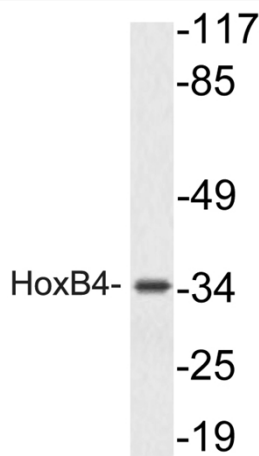
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using HoxB4 Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysate from HT29 cells, using HoxB4 antibody.