

HoxB4 rabbit pAb**Cat#: orb765434 (Manual)**

For research use only. Not intended for diagnostic use.

Product Name	HoxB4 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
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..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Homeobox protein Hox-B4
Gene Name	HOXB4
Cellular localization	Nucleus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

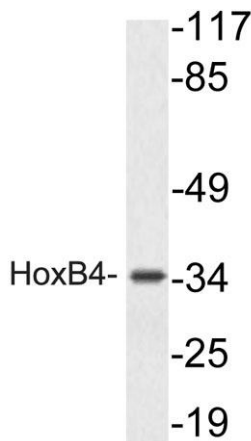
Concentration	1 mg/ml
Observed band	34kD
Human Gene ID	3214
Human Swiss-Prot Number	P17483
Alternative Names	HOXB4; HOX2F; Homeobox protein Hox-B4; Homeobox protein Hox-2.6; Homeobox protein Hox-2F

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],



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



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



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