

ARG42806 anti-HOXB4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HOXB4
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HOXB4
Species	Human
Immunogen	Synthetic peptide of Human HOXB4.
Conjugation	Un-conjugated
Alternate Names	HOX2; Homeobox protein Hox-2.6; HOX2F; Homeobox protein Hox-B4; Homeobox protein Hox-2F; HOX-2.6

Application Instructions

Application table	Application	Dilution
	FACS	1:20
	ICC/IF	1:20 - 1:50
	IHC-P	1:20 - 1:100
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	
Observed Size	~ 34 kDa	

Properties

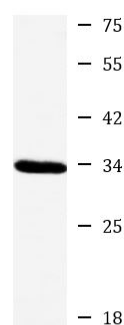
Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HOXB4
Gene Full Name	homeobox B4
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]
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. [UniProt]
Calculated Mw	28 kDa
Cellular Localization	Nucleus. [UniProt]

Images



K562

ARG42806 anti-HOXB4 antibody WB image

Western blot: K562 cell lysate stained with ARG42806 anti-HOXB4 antibody at 1:1000 dilution.