

KD-Validated Anti-Homeobox B4 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1038**Specification**

KD-Validated Anti-Homeobox B4 Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P17483
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 28 kDa, observed, 34 kDa
Gene Name	KDa HOXB4
Aliases	HOXB4; Homeobox B4; HOX2F; Homeobox Protein Hox-2.6; Homeobox Protein Hox-B4; Homeobox Protein Hox-2F; Homeobox B4; HOX2; Homeobox 2F; HOX-2.6
Immunogen	A synthesized peptide derived from human HOXB4

KD-Validated Anti-Homeobox B4 Rabbit Monoclonal Antibody - Additional Information

Gene ID	3214
Other Names	
Homeobox protein Hox-B4, Homeobox protein Hox-2.6, Homeobox protein Hox-2F, HOXB4, HOX2F	

KD-Validated Anti-Homeobox B4 Rabbit Monoclonal Antibody - Protein Information**Name** HOXB4**Synonyms** HOX2F**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.

Cellular Location

Nucleus.

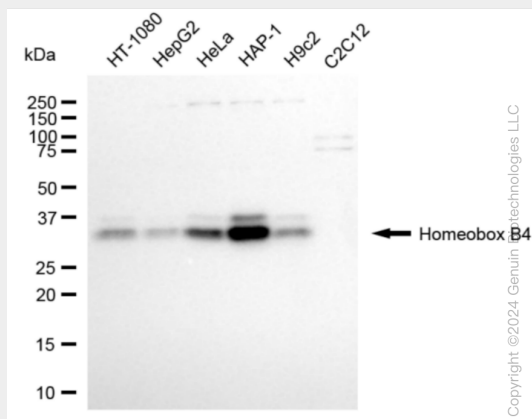
KD-Validated Anti-Homeobox B4 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

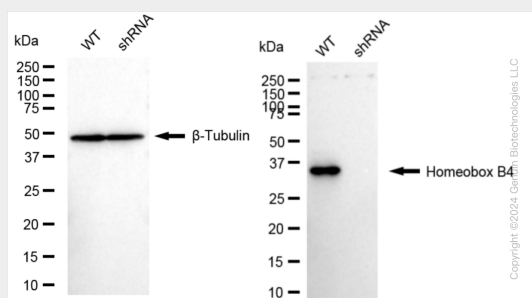
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

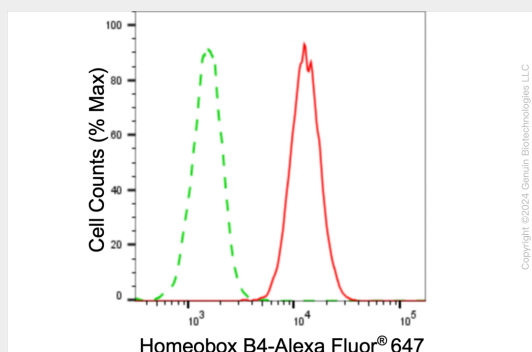
KD-Validated Anti-Homeobox B4 Rabbit Monoclonal Antibody - Images



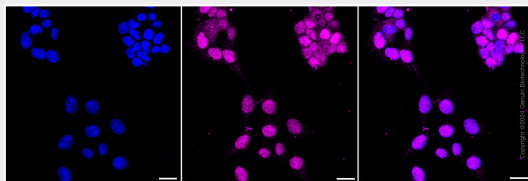
Western blotting analysis using anti-homeobox B4 antibody (Cat#AGI1038). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-homeobox B4 antibody (Cat#AGI1038, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-homeobox B4 antibody (Cat#AGI1038). Homeobox B4 expression in wild type (WT) and homeobox B4 (HOXB4) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-homeobox B4 antibody (Cat#AGI1038, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of homeobox B4 expression in HAP-1 cells using anti-homeobox B4 antibody (Cat#AGI1038, 1:2,000). Green, isotype control; red, homeobox B4.



Immunocytochemical staining of HAP-1 cells with anti-Homeobox B4 antibody (Cat#AGI1038, 1:1,000). Nuclei were stained blue with DAPI; Homeobox B4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.