

## Product datasheet for **TA351255**

### HOXB4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: RAW264.7 cells
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HOXB4
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	homeobox B4
Database Link:	<a href="#">NP_076920</a> <a href="#">Entrez Gene 15412 Mouse</a> <a href="#">Entrez Gene 3214 Human</a> <a href="#">P17483</a>

**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.

**Synonyms:** HOX-2.6; HOX2; HOX2F



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**Protein Families:** ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors

**Product images:**



Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: RAW264.7 cells  
Primary antibody: TA351255 (HOXB4 Antibody) at dilution 1/325  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute