

## Product datasheet for **TA367082**

### **HOXB4 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Hepg2, Raw264.7 and Jurkat 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.
Stability:	1 year
Predicted Protein Size:	28 kDa
Gene Name:	homeobox B4
Database Link:	<a href="#">Entrez Gene 3214 Human P17483</a>

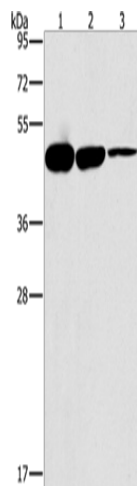
**Background:** This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. 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; Hox-2F; HOX2; HOX2F



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## Product images:



Gel: 8%SDS-PAGE

Lysate: 40  $\mu$ g

Lane 1-3: Hepg2 cells

Raw264.7 cells

Jurkat cells

Primary antibody: TA367082 (HOXB4 Antibody) at dilution 1/333.34

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute