



## Rabbit Anti-HOXB2 antibody

SL6538R

<b>Product Name:</b>	HOXB2
<b>Chinese Name:</b>	同源盒蛋白B2抗体
<b>Alias:</b>	homeo box 2H; homeo box B2; homeobox B2; Homeobox protein Hox-2.8; Homeobox protein Hox-2H; Homeobox protein Hox-B2; Hox 2 8; Hox 2H; HOX2; HOX2H; HXB2 HUMAN; K8; K8 home protein.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HOXB2:65-160/356
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.  <b>Function:</b> Appears to regulate cell growth through interactions with the extracellular matrix and

cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity.

**Subunit:**

Part of the nuclear protein complex gamma-globin promoter and enhancer binding factor (gamma-PE) composed at least by SATB1 and HOXB2.

**Subcellular Location:**

Nucleus.

**Similarity:**

Belongs to the Antp homeobox family. Proboscipedia subfamily. Contains 1 homeobox DNA-binding domain.

**SWISS:**

P14652

**Gene ID:**

3212

**Database links:**

[Entrez Gene: 3212](#)Human

[Entrez Gene: 103889](#)Mouse

[Entrez Gene: 100361765](#)Rat

[Omim: 142967](#)Human

[SwissProt: P14652](#)Human

[SwissProt: P0C1T1](#)Mouse

[Unigene: 514289](#)Human

[Unigene: 281153](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.