

## Product datasheet

# Anti-HOXB4 antibody [EPR1917] $\alpha$ 133521

Recombinant **RabMAb**

[2 References](#) [3 Images](#)

### Overview

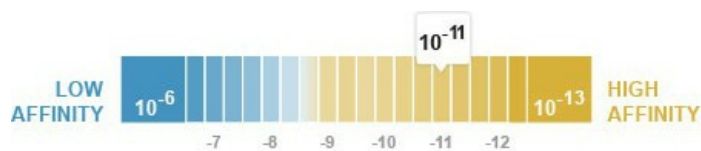
<b>Product name</b>	Anti-HOXB4 antibody [EPR1917]
<b>Description</b>	Rabbit monoclonal [EPR1917] to HOXB4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IP <b>Unsuitable for:</b> Flow Cyt or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human HOXB4 aa 1-100. The exact sequence is proprietary.
<b>Positive control</b>	K562, Jurkat, RAW 264.7, and PC-12 cell lysates; NCCIT cells.
<b>General notes</b>	

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 1.49 x 10 <sup>-11</sup> M



[Learn more about K<sub>D</sub>](#)

<b>Storage buffer</b>	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal

**Clone number** EPR1917  
**Isotype** IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab133521** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/200.
WB		1/1000 - 1/10000. Predicted molecular weight: 34 kDa.
IP		1/10 - 1/100.

**Application notes** Is unsuitable for Flow Cyt or IHC-P.

## Target

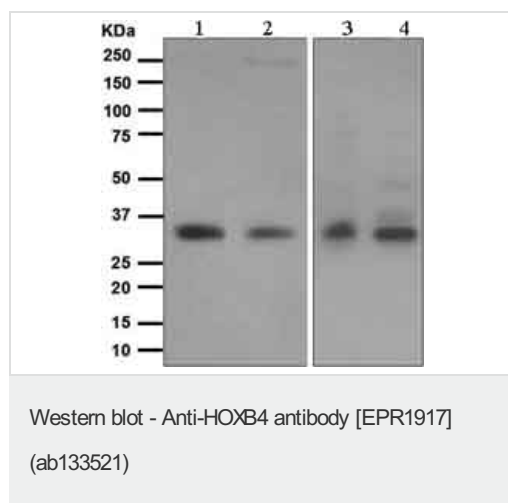
**Function** Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.

**Sequence similarities** Belongs to the Antp homeobox family. Deformed subfamily.  
Contains 1 homeobox DNA-binding domain.

**Developmental stage** Expressed in whole embryos and fetuses at 5-9 weeks from conception.

**Cellular localization** Nucleus.

## Images



**All lanes** : Anti-HOXB4 antibody [EPR1917] (ab133521) at 1/1000 dilution

**Lane 1** : K562 cell lysate

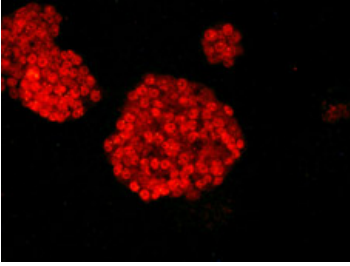
**Lane 2** : Jurkat cell lysate

**Lane 3** : RAW 264.7 cell lysate

**Lane 4** : PC-12 cell lysate

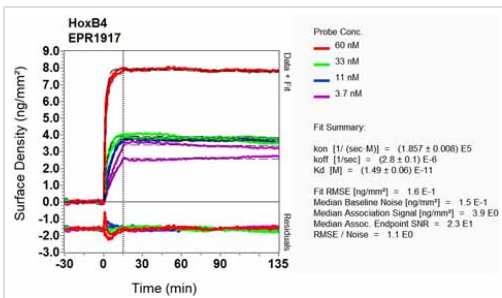
Lysates/proteins at 10 µg per lane.

**Predicted band size:** 34 kDa



Immunofluorescence analysis of NCCIT (Human pluripotent embryonic carcinoma cell line) cells labeling HOXB4 with ab133521 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-HOXB4 antibody [EPR1917] (ab133521)



Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

Other - Anti-HOXB4 antibody [EPR1917] (ab133521)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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