

Product datasheet

Anti-HOXB4 antibody [EPR1917] ab133521

Recombinant RabMAb

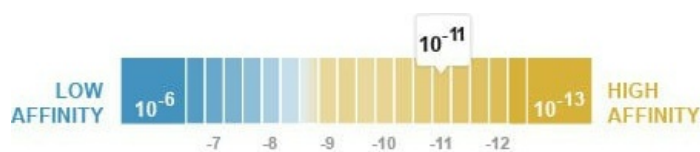
[4 References](#) [4 Images](#)

Overview

| | |
|---------------------|--|
| Product name | Anti-HOXB4 antibody [EPR1917] |
| Description | Rabbit monoclonal [EPR1917] to HOXB4 |
| Host species | Rabbit |
| Tested applications | Suitable for: ICC/IF, WB Unsuitable for: Flow Cyt or IHC-P |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Synthetic peptide within Human HOXB4 aa 1-100. The exact sequence is proprietary. |
| Positive control | K562, Jurkat, RAW 264.7, and PC-12 cell lysates; NCCIT cells. |
| General notes | This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . |

Properties

| | |
|---|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| Dissociation constant (K _D) | K _D = 1.49 x 10 ⁻¹¹ M |



| | |
|----------------|---|
| Storage buffer | pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture |
|----------------|---|

| | |
|---------------------|--------------------|
| | supernatant |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR1917 |
| Isotype | IgG |

Applications

The Abpromise guarantee 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.

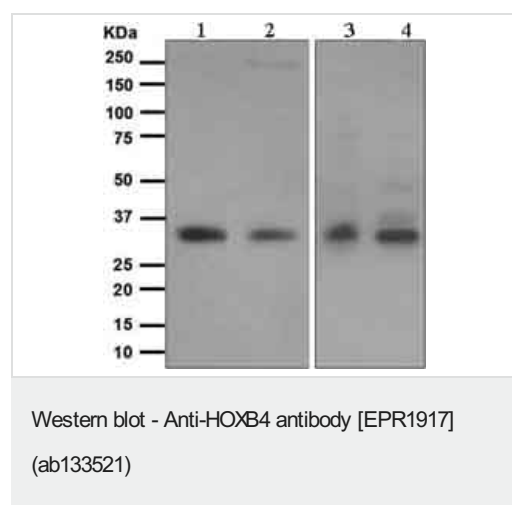
| Application | Abreviews | Notes |
|-------------|-----------|---|
| ICC/IF | | 1/100 - 1/200. |
| WB | | 1/1000 - 1/10000. Predicted molecular weight: 34 kDa. |

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

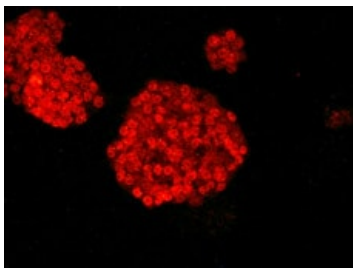
Lane 2 : Jurkat cell lysate

Lane 3 : RAW 264.7 cell lysate

Lane 4 : PC-12 cell lysate

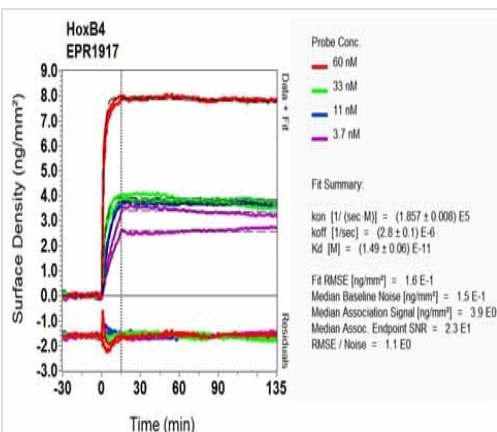
Lysates/proteins at 10 µg per lane.

Predicted band size: 34 kDa



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

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



OI-RD Scanning - Anti-HOXB4 antibody [EPR1917] (ab133521)

Equilibrium disassociation constant (K_D)

Learn more about K_D

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

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-HOXB4 antibody [EPR1917] (ab133521)

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

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