




Product datasheet

Anti-HOXB4 antibody [3A2F2] ab201957

[4 Images](#)

Overview

Product name	Anti-HOXB4 antibody [3A2F2]
Description	Mouse monoclonal [3A2F2] to HOXB4
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Cow 
Immunogen	Recombinant fragment corresponding to Human HOXB4 aa 1 to the C-terminus. (Purified from E.coli). Database link: P17483  Run BLAST with  Run BLAST with
Positive control	Human HOXB4 (aa16-251) recombinant protein; HOXB4 (aa16-251)-hlgFc transfected HEK293 cell lysate; Human rectum cancer and colon cancer tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: 99% PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	3A2F2

Isotype

IgG2a

Applications

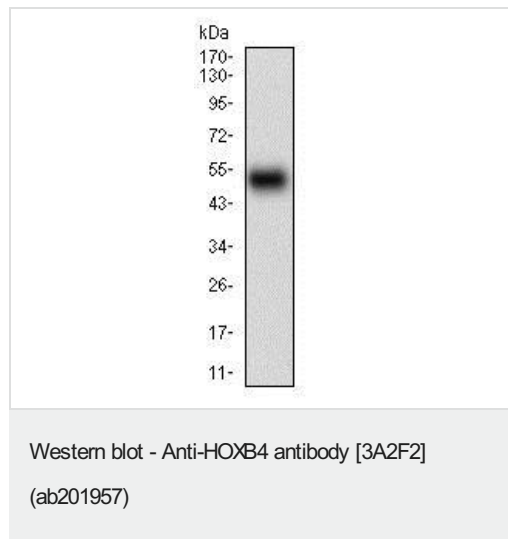
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab201957 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 28 kDa.
IHC-P		1/200 - 1/1000.

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.

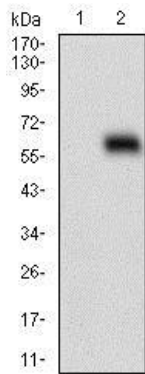
Images



Anti-HOXB4 antibody [3A2F2] (ab201957) at 1/500 dilution + Human HOXB4 (aa 16-251) recombinant protein

Predicted band size: 28 kDa

Expected MWt is 51.9 kDa.



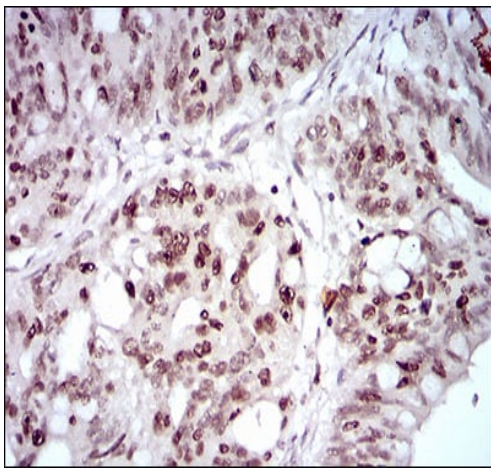
Western blot - Anti-HOXB4 antibody [3A2F2]
(ab201957)

All lanes : Anti-HOXB4 antibody [3A2F2] (ab201957) at 1/500 dilution

Lane 1 : HEK293 cell lysate

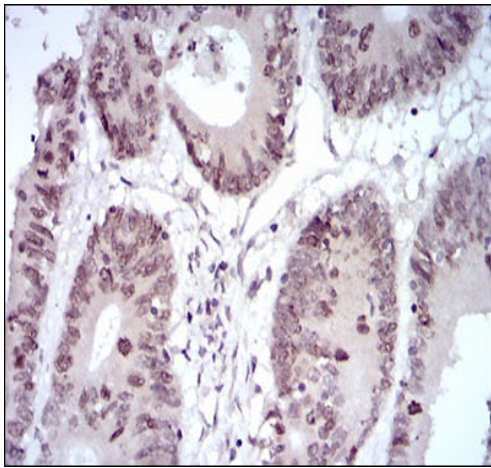
Lane 2 : HOXB4 (aa16-251)-hlgGFc transfected HEK293 cell lysate

Predicted band size: 28 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HOXB4 antibody [3A2F2]
(ab201957)

Immunohistochemical analysis of paraffin-embedded Human rectum cancer tissue labeling HOXB4 with ab201957 at 1/200 dilution.



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue labeling HOXB4 with ab201957 at 1/200 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HOXB4 antibody [3A2F2] (ab201957)

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

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