

Product datasheet

Anti-HOXA5 antibody ab55239

★★★★★ 2 Abreviews 4 图像

概述

产品名称	Anti-HOXA5抗体
描述	小鼠单克隆抗体to HOXA5
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt
种属反应性	与反应: Mouse, Rabbit, Human
免疫原	Recombinant fragment: PAQPQYPWM RKLHISHDNI GGPEGKRART AYTRYQTLEL EKEFHFNRYL TRRRRIEIAH ALCLSERQIK WFNQRRMKW KKDNLKLSMS MAAAGGAFRP , corresponding to amino acids 171-271 of Human HOXA5 Run BLAST with ExPASy Run BLAST with NCBI

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2a
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab55239** in the following tested applications.

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

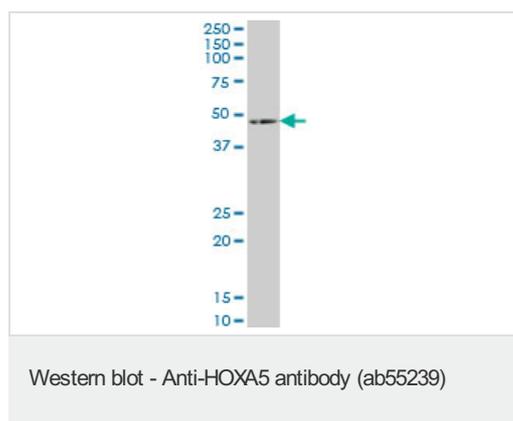
应用	Ab评论	说明
WB	★★★★★	Use a concentration of 1 - 5 µg/ml.

应用	Ab评论	说明
Flow Cyt		Use 0.5µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

功能	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Also binds to its own promoter. Binds specifically to the motif 5'-CYYNATTA[TG]-3'.
序列相似性	Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding domain.
发展阶段	Expressed during embryogenesis and in adult kidney.
细胞定位	Nucleus.

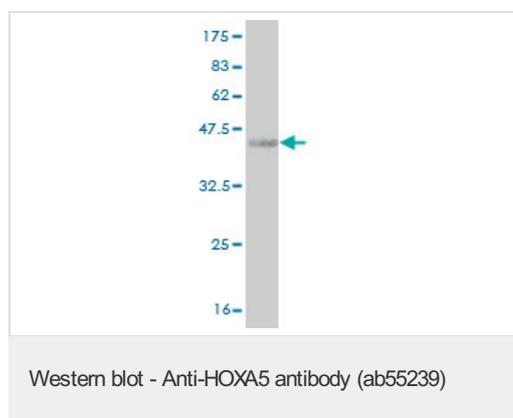
图片



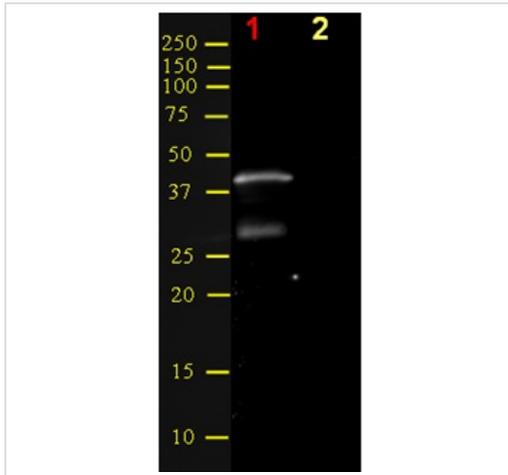
Anti-HOXA5 antibody (ab55239) + Human skeletal muscle

Observed band size: 49 kDa

[why is the actual band size different from the predicted?](#)



Anti-HOXA5 antibody (ab55239) + Recombinant immunogen with 25 kDa tag.



Western blot - Anti-HOXA5 antibody (ab55239)

All lanes : Anti-HOXA5 antibody (ab55239) at 1 µg/ml (Anti-HOXA5 Antibody)

Lane 1 : HOXA5 Transfected 293T cell lysate

Lane 2 : 293T cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

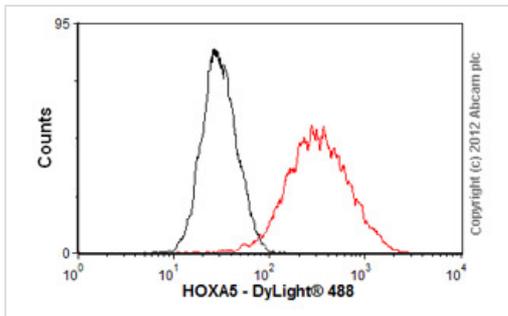
All lanes : Goat anti-mouse IgG-HRP

Observed band size: 29 kDa [why is the actual band size different from the predicted?](#)

Additional bands at: 45 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 90 seconds

Transfected sequence is HOXA5 (AAH13682, 1a.a ~270a.a)



Flow Cytometry - Anti-HOXA5 antibody (ab55239)

Overlay histogram showing HEK293 cells stained with ab55239 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab55239, 0.5µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [CIGG2A] ([ab91361](#), 1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HEK293 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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