abcam

Product datasheet

Anti-MOX1/MEOX1 antibody ab125712

3 图像

概述

产品名称	Anti-MOX1/MEOX1抗体
描述	兔多克隆抗体to MOX1/MEOX1
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human **预测可用于:** Chimpanzee, Macaque monkey, Gorilla, Orangutan
免疫原	Synthetic peptide within Human MOX1/MEOX1 aa 50-150 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: **P50221**
阳性对照	This antibody gave a positive signal in Human Fetal Heart tissue lysate. WB: Human liver cell lysate
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with abX overnight at 4°C. Antibody binding was detected using an anti-rabbit

	antibody conjugated to HRP, and visualised using ECL development solution **ab133406**
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab125712于以下的经测试应用**

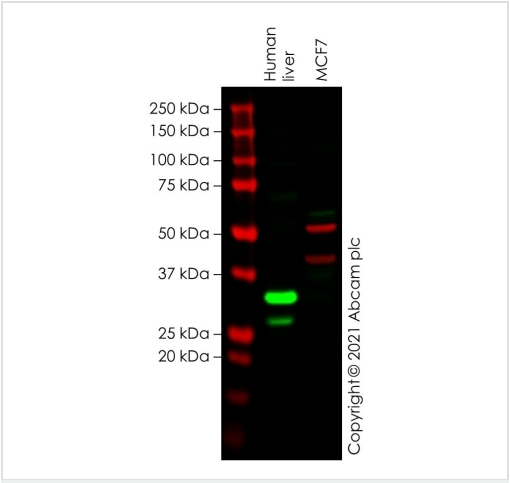
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 34 kDa (predicted molecular weight: 27 kDa).

靶标

功能	Mesodermal transcription factor that plays a key role in somitogenesis and is specifically required for sclerotome development. Required for maintenance of the sclerotome polarity and formation of the cranio-cervical joints (PubMed:23290072, PubMed:24073994). Binds specifically to the promoter of target genes and regulates their expression. Activates expression of NKX3-2 in the sclerotome. Activates expression of CDKN1A and CDKN2A in endothelial cells, acting as a regulator of vascular cell proliferation. While it activates CDKN1A in a DNA-dependent manner, it activates CDKN2A in a DNA-independent manner. Required for hematopoietic stem cell (HSCs) induction via its role in somitogenesis: specification of HSCs occurs via the deployment of a specific endothelial precursor population, which arises within a sub-compartment of the somite named endotome.
疾病相关	Klippel-Feil syndrome 2, autosomal recessive
序列相似性	Contains 1 homeobox DNA-binding domain.
细胞定位	Nucleus. Cytoplasm. Localizes predominantly in the nucleus.

图片



Western blot - Anti-MOX1/MEOX1 antibody (ab125712)

All lanes : Anti-MOX1/MEOX1 antibody (ab125712) at 1 µg/ml

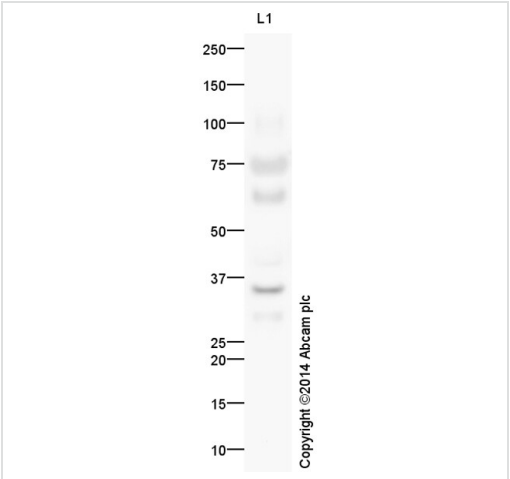
Lane 1 : Human liver cell lysate
Lane 2 : MCF7 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 27 kDa
Observed band size: 28 kDa

False colour image of Western blot: Anti-MOX1/MEOX1 antibody staining at 1 ug/ml, shown in green; Mouse anti-Alpha Tubulin [DM1A] (**ab7291**) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab125712 was shown to bind specifically to MOX1/MEOX1. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.



Western blot - Anti-MOX1/MEOX1 antibody (ab125712)

Anti-MOX1/MEOX1 antibody (ab125712) at 1 µg/ml + Heart (Human) Whole Cell Lysate - fetal normal tissue at 25 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

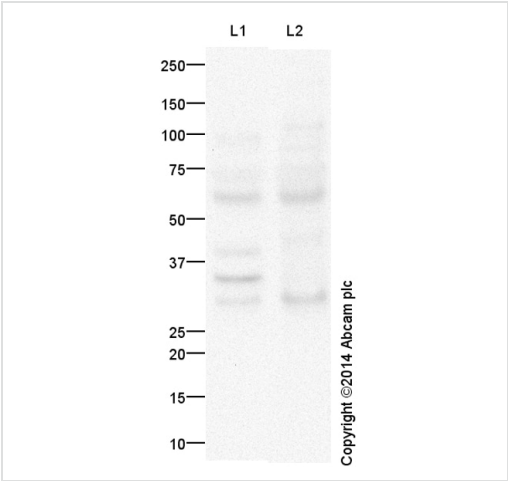
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 27 kDa
Observed band size: 34 kDa
Additional bands at: 65 kDa (possible non-specific binding), 75 kDa (possible non-specific binding)

Exposure time: 20 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab125712 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution **ab133406**



Western blot - Anti-MOX1/MEOX1 antibody (ab125712)

All lanes : Anti-MOX1/MEOX1 antibody (ab125712) at 1 µg/ml

Lane 1 : Heart (Human) Whole Cell Lysate - fetal normal tissue
Lane 2 : Heart (Human) Whole Cell Lysate - fetal normal tissue with Immunising peptide at 1 µg/ml

Lysates/proteins at 25 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 27 kDa
Observed band size: 34 kDa
Additional bands at: 30 kDa (possible non-specific binding), 65 kDa (possible non-specific binding)

Exposure time: 20 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab125712 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody

conjugated to HRP, and visualised using ECL development solution **ab133406**

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