abcam

Product datasheet

Anti-ROR2 antibody [Nt 2535-2835] ab190145



2 References 画像数 3

製品の概要

製品名 Anti-ROR2 antibody [Nt 2535-2835]

製品の詳細 Mouse monoclonal [Nt 2535-2835] to ROR2

由来種 Mouse

アプリケーション 適用あり: WB, IHC-P

適用なし: ICC/IF

種交差性 交差種: Rat, Human

交差が予測される動物種: Mouse

免疫原 Fusion protein. This information is proprietary to Abcam and/or its suppliers.

ポジティブ・コントロール IHC-P: FFPE human prostate tissue sections. IHC-P: FFPE Human Stomach

特記事項

This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or

conjugation for your experiments, please contact orders@abcam.com.

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

製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C.

バッファー pH: 7.40

Preservative: 0.02% Sodium azide

Constituent: PBS

Some batches contain 6.97% L-Arginine as a stabilizing agent. For lot-specific buffer information,

please contact our Scientific Support team.

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精製度 Protein G purified

ポリ/モノ モノクローナル

クローン名 Nt 2535-2835

アイソタイプ lgG1 軽鎖の種類 kappa

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab190145の使用に適用されます アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 5 μ g/ml. Predicted molecular weight: 105 kDa.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

追加情報 Is unsuitable for ICC/IF.

ターゲット情報

機能 Tyrosine-protein kinase receptor which may be involved in the early formation of the chondrocytes.

It seems to be required for cartilage and growth plate development. Phosphorylates YWHAB,

leading to induction of osteogenesis and bone formation.

関連疾患 Brachydactyly B1

Robinow syndrome autosomal recessive

配列類似性 Belongs to the protein kinase superfamily. Tyr protein kinase family. ROR subfamily.

Contains 1 FZ (frizzled) domain.

Contains 1 lg-like C2-type (immunoglobulin-like) domain.

Contains 1 kringle domain.

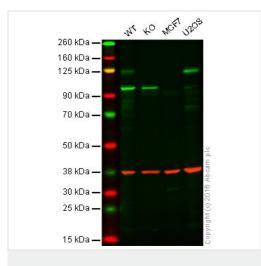
Contains 1 protein kinase domain.

発生段階 Expressed at high levels during early embryonic development. The expression levels drop strongly

around day 16 and there are only very low levels in adult tissues.

細胞内局在 Cell membrane.

画像



Western blot - Anti-ROR2 antibody [Nt 2535-2835] (ab190145)

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

Lane 2: ROR2 knockout HAP1 whole cell lysate (20 µg)

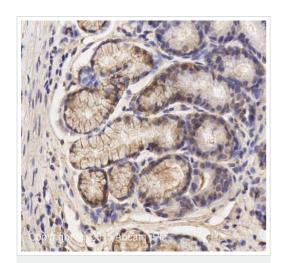
Lane 3: MCF7 whole cell lysate (20 µg)

Lane 4: U20S whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab190145 observed at 125 kDa. Red - loading control, **ab181602**, observed at 37 kDa.

ab190145 was shown to recognize ROR2 in wild-type HAP1 cells along with additional cross-reactive bands. No band was observed when ROR2 knockout samples were examined. Wild-type and ROR2 knockout samples were subjected to SDS-PAGE.

Ab190145 and ab181602 (Rabbit anti GAPDH loading control) were incubated overnight at 4°C at 1 ug/ml and 1/10,000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) ab216772 and Goat anti-Rabbit IgG H&L (IRDye® 680RD) ab216777 secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.

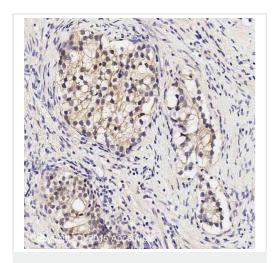


Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-ROR2 antibody [Nt 2535-2835] (ab190145)

IHC image of ROR2 staining in Normal Human Stomach formalin fixed paraffin embedded tissue section*, performed on a Leica Bond™ system using the standard protocol F/B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab190145, 10µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-ROR2 antibody [Nt 2535-2835] (ab190145)

IHC image of ROR2 staining in Human normal prostate formalin fixed paraffin embedded tissue section*, performed on a Leica Bond™ system using the standard protocol F. The section was pretreated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab190145, 10µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

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