

Anti-ROR alpha/RORA antibody [EPR23719-48] ab278099

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **1 References** 画像数 7

製品の概要

製品名	Anti-ROR alpha/RORA antibody [EPR23719-48]
製品の詳細	Rabbit monoclonal [EPR23719-48] to ROR alpha/RORA
由来種	Rabbit
アプリケーション	適用あり: IHC-P, IHC-Fr, IP 適用なし: WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-Fr: Mouse Cerebellum tissue IHC-P: Mouse Cerebellum tissue; Rat Cerebellum tissue. IP: Mouse cerebellum tissue lysate; Rat cerebellum tissue lysate, SH-SY5Y whole cell lysate.
特記事項	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 .

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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23719-48
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab278099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。

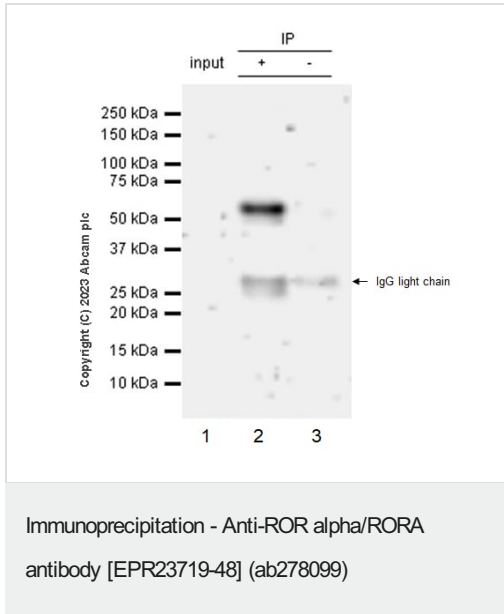
アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (1)	1/800. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/50. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)
IP		1/30.

追加情報 Is unsuitable for WB.

ターゲット情報

機能	Orphan nuclear receptor. Binds DNA as a monomer to hormone response elements (HRE) containing a single core motif half-site preceded by a short A-T-rich sequence. This isomer binds to the consensus sequence 5'-[AT][TA]A[AT][CGT]TAGGTCA-3'. Regulates a number of genes involved in lipid metabolism such as apolipoproteins AI, APOA5, CIII, CYP71 and PPARgamma, in cerebellum and photoreceptor development including PCP2, OPN1SW, OPN1SM AND ARR3, in circadian rhythm with BMAL1, and skeletal muscle development with MYOD1. Possible receptor for cholesterol or one of its derivatives.
組織特異性	Widely expressed in a number of tissues.
配列類似性	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
翻訳後修飾	Phosphorylation by PKC in neurons inhibits transcriptional activity. Phosphorylated on Thr-216 by ERK2 in vitro. Sumoylated by SENP1 and SENP2. Sumoylation, promoted by PIAS2, PIAS3, PIASy but not PIAS1, enhances the transcriptional activity. Desumoylated by SENP1. Ubiquitinated. Ubiquitination is required for efficient transcriptional activity and is prevented by Hairless.
細胞内局在	Nucleus.

画像



ROR alpha/RORA was immunoprecipitated from SH-SY5Y (human neuroblastoma epithelial cell), whole cell lysate with ab278099 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab278099 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

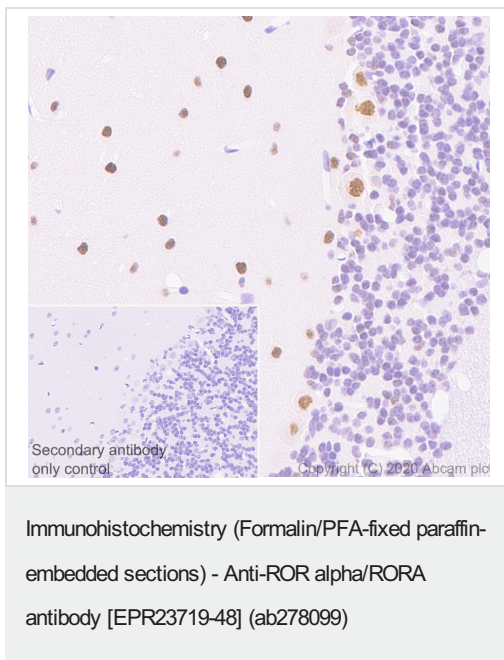
Lane 1 (Input): SH-SY5Y (human neuroblastoma epithelial cell), whole cell lysate, 10 µg

Lane 2 (+): SH-SY5Y whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab278099 in SH-SY5Y whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

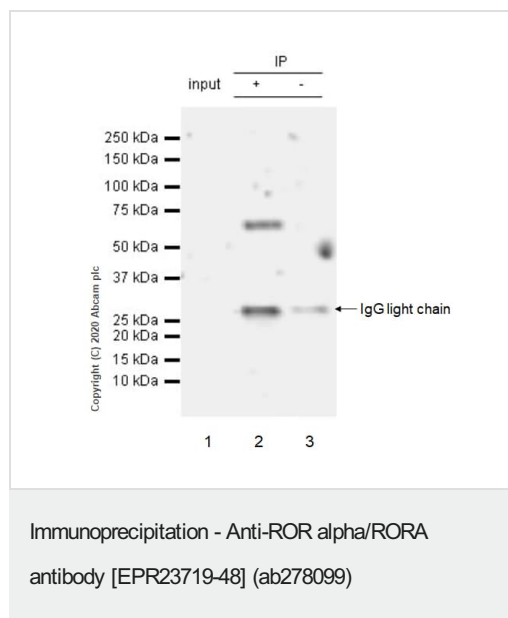
Exposure time: 180 seconds



Immunohistochemical analysis of paraffin-embedded Mouse cerebellum tissue labeling ROR alpha/RORA with ab278099 at 1/800 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Nuclear staining on mouse cerebellum (PMID:14966198). The section was incubated with ab278099 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



ROR alpha/RORA was immunoprecipitated from 0.35 mg Mouse cerebellum tissue lysate with ab278099 at 1/30 dilution. Western blot was performed on the immunoprecipitate using ab278099 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

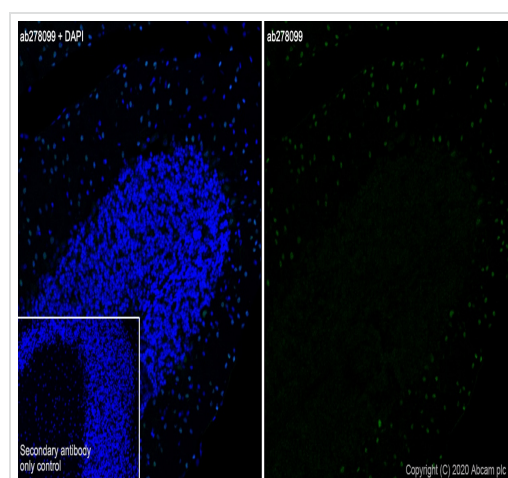
Lane 1: Mouse cerebellum tissue lysate 10ug

Lane 2: ab278099 IP in Mouse cerebellum tissue lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab278099 in mouse cerebellum tissue lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

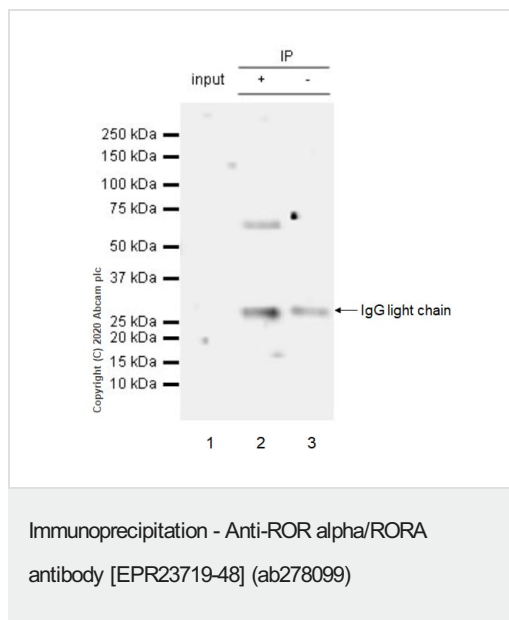
Exposure time: 3 minutes



Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebellum tissue labeling ROR alpha/RORA with ab278099 at 1/50 dilution followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on mouse cerebellum is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



ROR alpha/RORA was immunoprecipitated from 0.35 mg Rat cerebellum tissue lysate with ab278099 at 1/30 dilution. Western blot was performed on the immunoprecipitate using ab278099 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

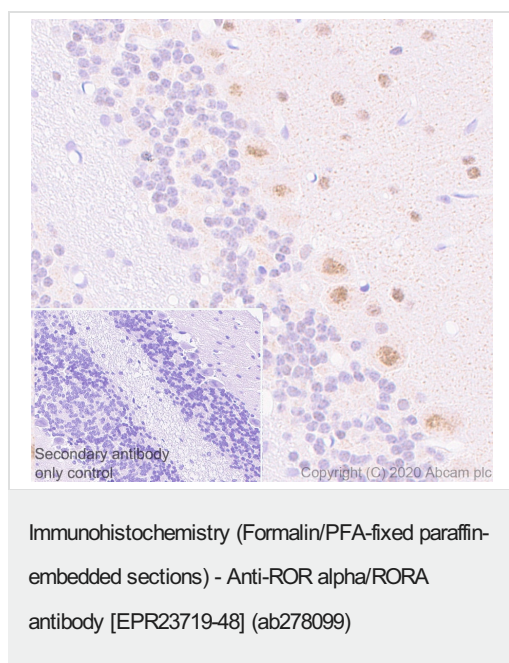
Lane 1: Rat cerebellum tissue lysate 10ug

Lane 2: ab278099 IP in Rat cerebellum tissue lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab278099 in rat cerebellum tissue lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

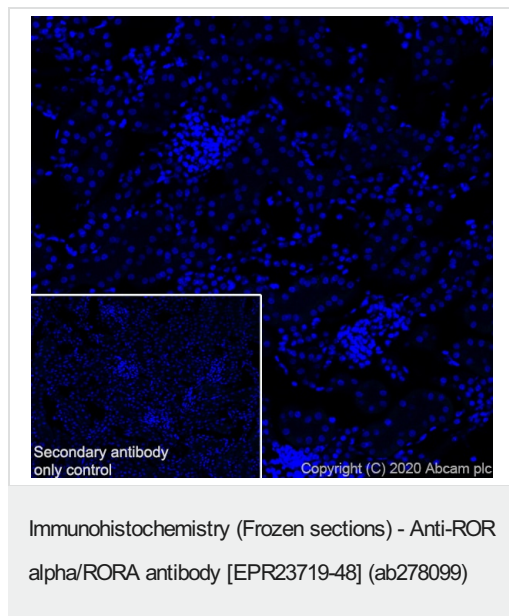
Exposure time: 3 minutes



Immunohistochemical analysis of paraffin-embedded Rat cerebellum tissue labeling ROR alpha/RORA with ab278099 at 1/800 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Nuclear staining on rat cerebellum. The section was incubated with ab278099 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse kidney tissue labeling ROR alpha/RORA with ab278099 at 1/50 dilution followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). **Negative control:** no staining on mouse kidney (PMID: 9226375) is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors