



Anti-Retinoic Acid Receptor beta antibody ab5792

★★★★★ [1 Abreviews](#) [画像数 3](#)

製品の概要

製品名	Anti-Retinoic Acid Receptor beta antibody
製品の詳細	Rabbit polyclonal to Retinoic Acid Receptor beta
由来種	Rabbit
特異性	This antibody shows slight cross-reactivity to RAR alpha but does not detect RAR gamma.
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide corresponding to Mouse Retinoic Acid Receptor beta aa 429-448. Sequence: PSUSPSSVENSQVSQSPLLQ (Peptide available as ab5897)
ポジティブ・コントロール	WB: SH-SY5Y cell extract ; HEK-293 ICC/IF: SH-SY5Y
特記事項	<div>  Run BLAST with  Run BLAST with </div> <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>

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 or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituent: 99% PBS
精製度	Whole antiserum
ポリ/モノ	ポリクローナル

アプリケーション

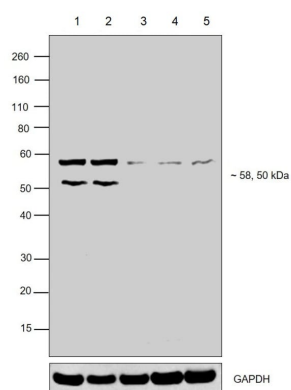
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab5792の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/100.
WB		1/1000. Detects a band of approximately 52 kDa (predicted molecular weight: 53 kDa).

ターゲット情報

機能	Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. In concert with RARG, required for skeletal growth, matrix homeostasis and growth plate function.
関連疾患	Microphthalmia, syndromic, 12
配列類似性	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
ドメイン	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
細胞内局在	Cytoplasm and Nucleus.

画像



Western blot - Anti-Retinoic Acid Receptor beta antibody (ab5792)

All lanes : Anti-Retinoic Acid Receptor beta antibody (ab5792) at 1 µg/ml

Lane 1 : SH-SY5Y (Human neuroblastoma cell line from bone marrow) whole cell lysate

Lane 2 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate

Lane 3 : PANC-1 (Human pancreatic epithelial carcinoma cell line) whole cell lysate

Lane 4 : OVCAR-3 (Human ovary adenocarcinoma cell line) whole cell lysate

Lane 5 : BeWo (human placenta choriocarcinoma cell line) whole cell lysate

Lysates/proteins at 30 µg per lane.

Secondary

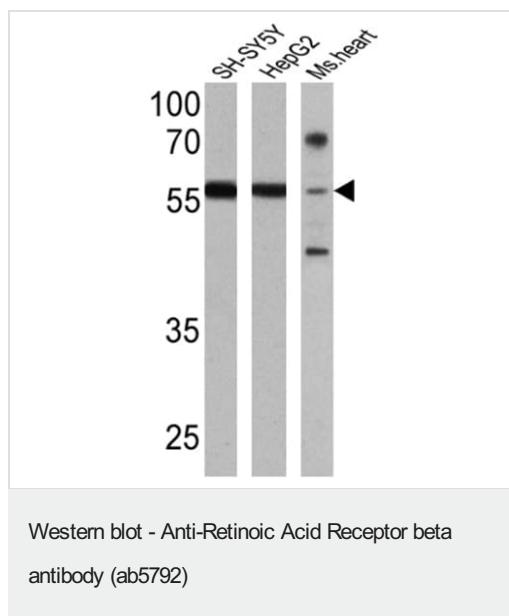
All lanes : Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP at 1/4000 dilution

Predicted band size: 53 kDa

Additional bands at: ~58.50 kDa. We are unsure as to the identity of these extra bands.

Detection: chemiluminescence

Western blot demonstrating antibody specificity by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. The expression was observed in SH-SY5Y and HEK-293 and not seen in PANC-1, OVCAR-3 and BeWo using ab5792.



All lanes : Anti-Retinoic Acid Receptor beta antibody (ab5792) at 1/1000 dilution

Lane 1 : SH-SY5Y cell lysate

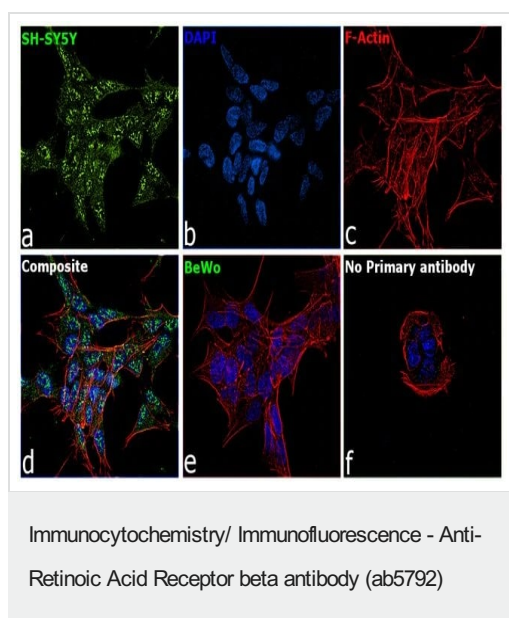
Lane 2 : HepG2 cell lysate

Lane 3 : Mouse heart cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 53 kDa

Observed band size: 58 kDa



Immunofluorescent analysis of SH-SY5Y (Human neuroblastoma cell line from bone marrow) whole cell lysate cells on 70% confluent log phase labeling Retinoic Acid Receptor beta. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 10 minutes at room temperature. The cells were labeled with ab5792 at 1/100 dilution in 0.1% BSA and incubated overnight at 4°C and then labeled with Goat anti-Rabbit IgG (H+L) secondary antibody, Alexa Fluor® 488 conjugate at 1/2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (1/300 dilution). Panel d is a merged image showing nuclear and cytoplasmic localization. Panel e represents BeWo (human placenta choriocarcinoma cell line) having no expression of Retinoic Acid Receptor beta. The images were captured at 60X magnification.

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