

Product datasheet

Anti-Constitutive androstane receptor antibody
ab186869

★★★★☆ 2 Abreviews 4 References 5 Images

Overview

Product name	Anti-Constitutive androstane receptor antibody
Description	Rabbit polyclonal to Constitutive androstane receptor
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment corresponding to Human Constitutive androstane receptor aa 103-352 (C terminal). Database link: Q14994
Positive control	U87 and BT474 cell lysates; Mouse liver tissue lysate.
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab186869 in the following tested applications.

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

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB	★★★★☆ (2)	1/500 - 1/2000. Predicted molecular weight: 40 kDa.
IHC-P		1/50 - 1/200.

Target

Function

Binds and transactivates the retinoic acid response elements that control expression of the retinoic acid receptor beta 2 and alcohol dehydrogenase 3 genes. Transactivates both the phenobarbital responsive element module of the human CYP2B6 gene and the CYP3A4 xenobiotic response element.

Tissue specificity

Predominantly expressed in liver.

Sequence similarities

Belongs to the nuclear hormone receptor family. NR1 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

Domain

Composed by a short N-terminal domain followed by the DNA binding, hinge, and ligand binding/dimerization domains.

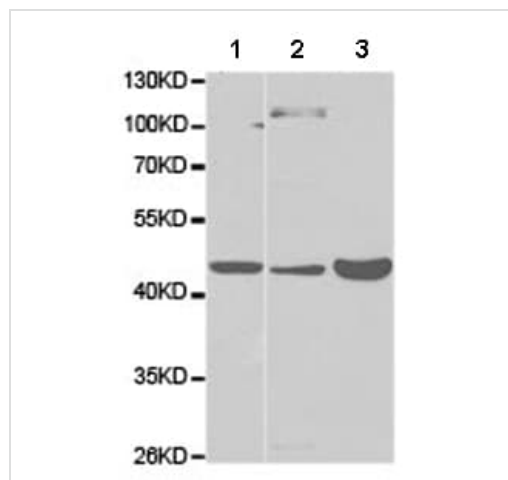
Post-translational modifications

Phosphorylated at Thr-38 by PKC, dephosphorylation of Thr-38 is required for nuclear translocation and activation.

Cellular localization

Nucleus. Cytoplasm. Cytoplasm > cytoskeleton. Recruited to the cytoplasm by DNAJC7.

Images



Western blot - Anti-Constitutive androstane receptor antibody (ab186869)

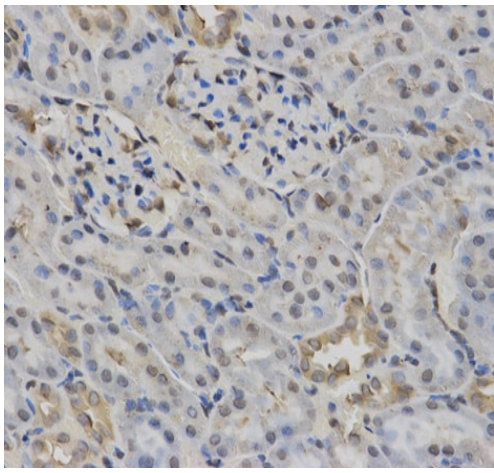
All lanes : Anti-Constitutive androstane receptor antibody (ab186869) at 1/500 dilution

Lane 1 : U87 cell lysate

Lane 2 : BT474 cell lysate

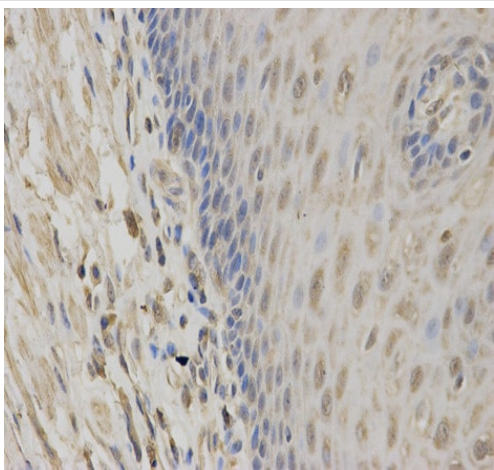
Lane 3 : Mouse liver tissue lysate

Predicted band size: 40 kDa



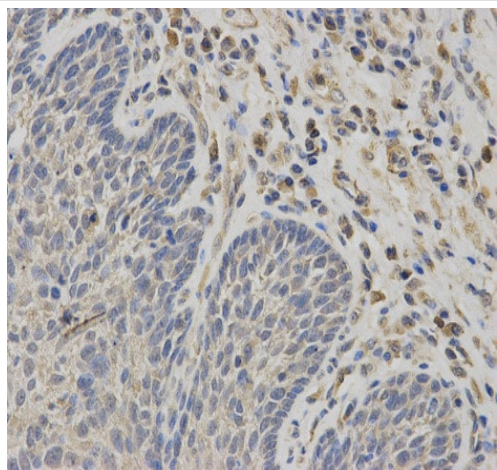
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat kidney tissue labelling Constitutive androstane receptor with ab186869 at 1/100. Magnification: 400x.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Constitutive androstane receptor antibody (ab186869)



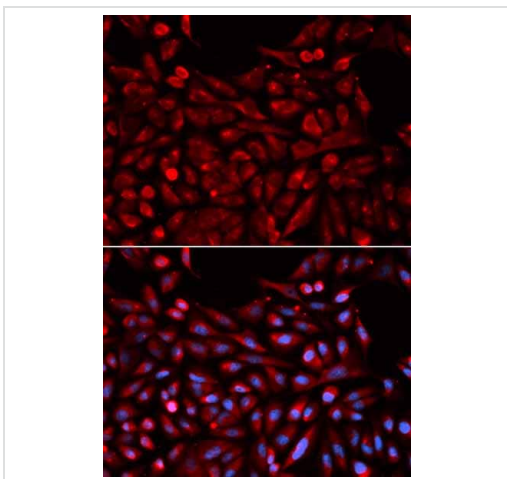
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human esophagus tissue labelling Constitutive androstane receptor with ab186869 at 1/100. Magnification: 400x.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Constitutive androstane receptor antibody (ab186869)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human esophageal cancer tissue labelling Constitutive androstane receptor with ab186869 at 1/100.
Magnification: 400x.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Constitutive androstane receptor antibody (ab186869)



Immunocytochemistry/Immunofluorescence analysis of U2OS cells using ab186869. Blue DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-Constitutive androstane receptor antibody (ab186869)

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