

Product datasheet

Anti-Retinoic Acid Receptor beta antibody ab15515

★★★★☆ 1 Abreviews 2 References 3 Images

Overview

Product name	Anti-Retinoic Acid Receptor beta antibody
Description	Rabbit polyclonal to Retinoic Acid Receptor beta
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) (N terminal)
Positive control	Testis and heart.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, 10mM PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab15515** in the following tested applications.

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

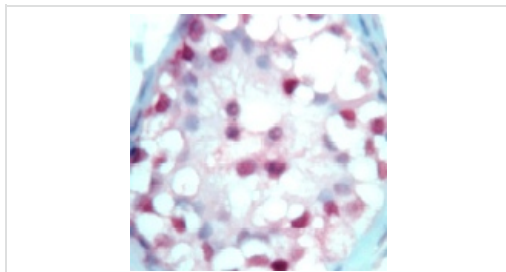
Application	Abreviews	Notes
ICC/IF	★★★★☆	Use at an assay dependent concentration.
IHC-P		1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 45 kDa).

Target

Function	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.
Involvement in disease	Microphthalmia, syndromic, 12
Sequence similarities	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Domain	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
Cellular localization	Cytoplasm and Nucleus.

Images



ab15515 staining Retinoic Acid Receptor beta at 1/100 dilution in human testis by Immunohistochemistry (FFPE-sections).

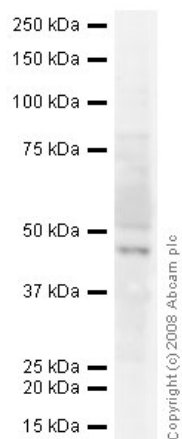
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Retinoic Acid Receptor beta antibody (ab15515)



ab15515 at 1/100 staining hamster CHO-K1 cells expressing human retinoic acid receptor by ICC/IF. The cells were formaldehyde fixed and blocked before incubation with the antibody for 1 hour at 22°C. A FITC labelled goat anti-rabbit antibody was used as the secondary.

Immunocytochemistry/ Immunofluorescence - Anti-Retinoic Acid Receptor beta antibody (ab15515)

This image is courtesy of an Abreview submitted by Dr Mahesh Mathrubutham



Anti-Retinoic Acid Receptor beta antibody (ab15515) at 1 µg/ml + Human liver tissue lysate - total protein (ab29889) at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 45 kDa

Observed band size: 45 kDa

Western blot - Anti-Retinoic Acid Receptor beta antibody (ab15515)

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