abcam

Product datasheet

Anti-Androgen receptor variant 5,6,7es antibody [EPR15657] - BSA and Azide free ab251320

Recombinant RabMAb

7 Images

Overview

Product name	Anti-Androgen receptor variant 5,6,7es antibody [EPR15657] - BSA and Azide free
Description	Rabbit monoclonal [EPR15657] to Androgen receptor variant 5,6,7es - BSA and Azide free
Host species	Rabbit
Specificity	This ARv567es antibody (clone EPR15657) is a rabbit monoclonal antibody against Human Androgen receptor variant 5,6,7es (aa 700 to the C-terminus). This antibody does not react with AR-FL.
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab251320 is the carrier-free version of **ab200827**. Anti-ARv567es RabMAb product (Clone EPR15657) has been highlighted in the following poster: **Identification of ARv567es expression profile in the prostate cancer clinical samples with a newly developed antibody**. For ARv7 specific RabMAb antibody - **see ab198394.** Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR15657
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251320 in the following tested applications.

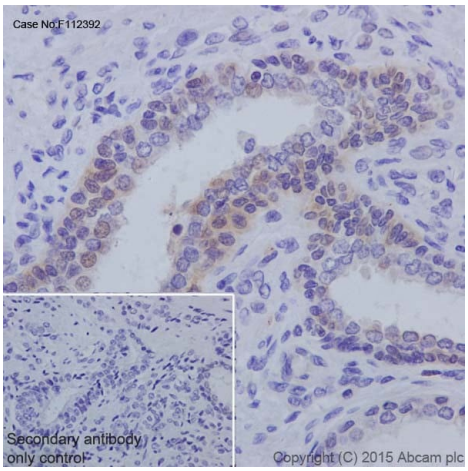
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 100 kDa (predicted molecular weight: 77 kDa). It is suggested to use the low dilution in natural material as 1/10,000 is based on over-expressed lysate testing.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Cellular localization	Nuclear

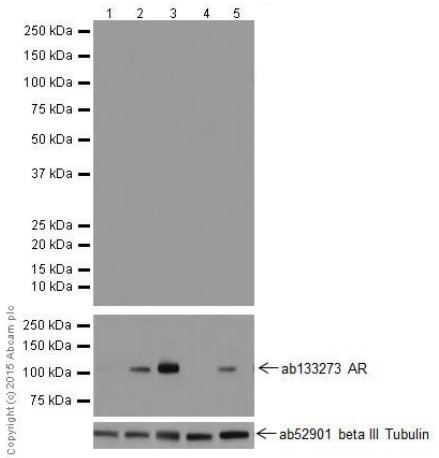
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Androgen receptor variant 5,6,7es antibody [EPR15657] - BSA and Azide free (ab251320)

This data was developed using **ab200827**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue labeling Androgen receptor variant 5,6,7es with **ab200827** at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasmic and nuclear staining on Human prostate cancer tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Androgen receptor variant 5,6,7es antibody [EPR15657] - BSA and Azide free (ab251320)

All lanes : Anti-Androgen receptor variant 5,6,7es antibody [EPR15657] (**ab200827**) at 1/1000 dilution

Lane 1 : Human fetal liver tissue lysate
Lane 2 : PC-3 (Human prostate adenocarcinoma cell line) whole cell lysate
Lane 3 : LNCaP (Human prostate cancer cell line) whole cell lysate
Lane 4 : T-47D (Human ductal breast epithelial tumor cell line) whole cell lysate
Lane 5 : Human prostate tissue lysate

Lysates/proteins at 10 µg per lane.

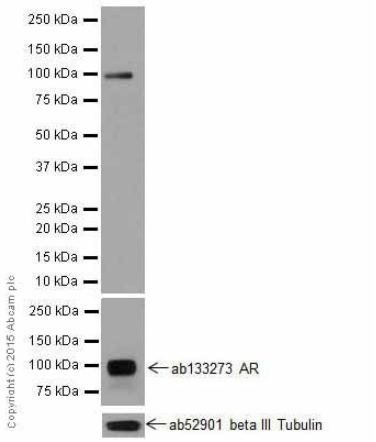
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 77 kDa

Exposure time: 3 minutes

This data was developed using **ab200827**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Androgen receptor variant 5,6,7es antibody [EPR15657] - BSA and Azide free (ab251320)

Anti-Androgen receptor variant 5,6,7es antibody [EPR15657] (**ab200827**) at 1/10000 dilution + M12-3FARV567es

Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 77 kDa
Observed band size: 100 kDa

Exposure time: 3 minutes

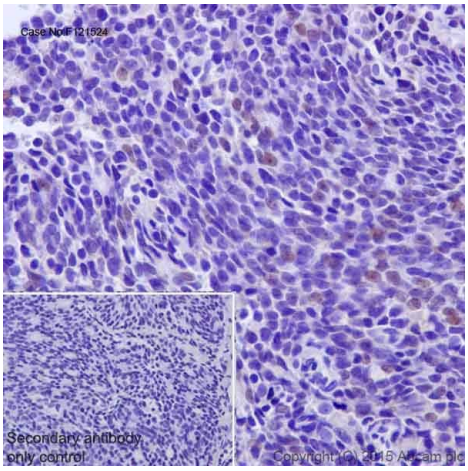
This data was developed using **ab200827**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

Full length ARV567es M12 overexpress lysate containing aa1-739 with 3x DDDDK-tag was supplied by Stephen R. Plymate, M.D. Professor, Department of Medicine, University of Washington, Seattle, WA.

Liu G. et al. 2013. AR variant ARv567es induces carcinogenesis in a novel transgenic mouse model of prostate cancer. Neoplasia 15, 1009-1017.

Cao B. et al. 2014. Androgen receptor splice variants activating the full-length receptor in mediating resistance to androgen-directed therapy. Oncotarget 5, 1646-1656.



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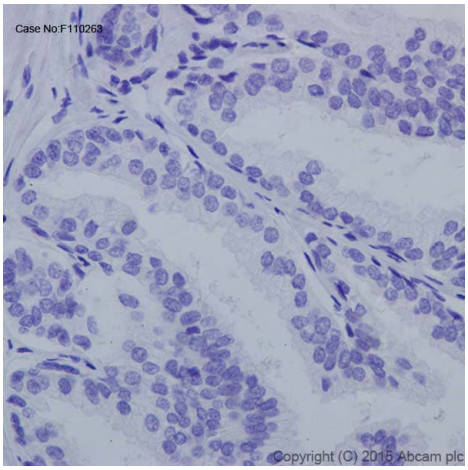

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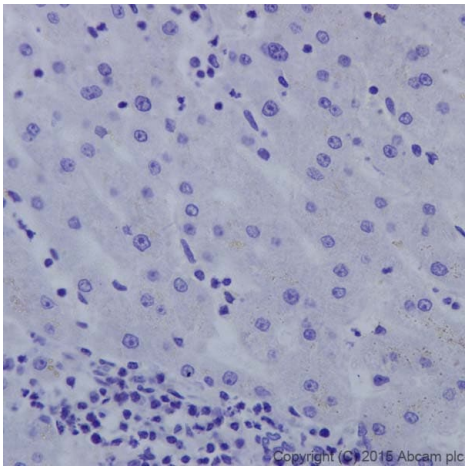

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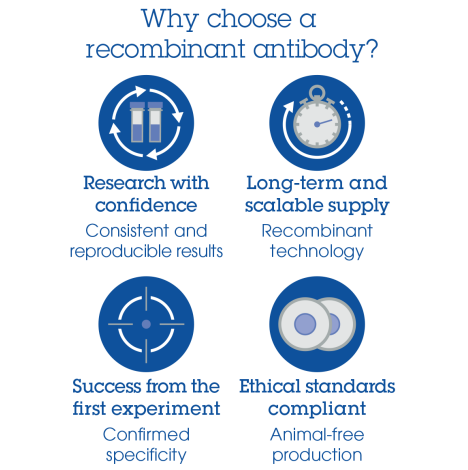

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