

Datasheet for ABIN185266

anti-Androgen Receptor antibody (N-Term)

5 Images



[Go to Product page](#)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | Androgen Receptor (AR) |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This Androgen Receptor antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP) |

Product Details

| | |
|-----------------------|---|
| Purpose: | Androgen Receptor |
| Immunogen: | Peptide with sequence EVQLGLGRVYPRPPSC, from the N Terminus of the protein sequence according to NP_000035.2. |
| Sequence: | EVQLGLGRVY PRPPSC |
| Isotype: | IgG |
| Specificity: | This antibody is expected to recognize isoform 1 (NP_000035.2) only. |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Pig, Cow |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |

Product Details

Grade: Verified

Target Details

Target: Androgen Receptor (AR)

Alternative Name: Androgen Receptor ([AR Products](#))

Background: AR, androgen receptor, dihydrotestosterone receptor, KD, AIS, TFM, DHTR, SBMA, NR3C4, SMAX1, HUMARA, HYSP1, androgen receptor, dihydrotestosterone receptor, RP11-383C12.1

Gene ID: 367

NCBI Accession: [NP_000035](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Nuclear Hormone Receptor Binding](#), [Chromatin Binding](#)

Application Details

Application Notes: DS WB Results: Approx 100 kDa band observed in Human Cerebellum lysates (calculated MW of 99.2 kDa according to NP_000035.2). Recommended concentration: 0.1-0.5 µg/mL. Primary incubation 1 hour at room temperature. **Negative Control:** Human Pancreas lysate. Preliminary testing was unsuccessful on Mouse and Rat for this particular batch.

DS IHC Results: In paraffin embedded Human Prostate shows nuclear staining in the secretory cells of the gland. Recommended concentration: 2-3 µg/mL.

Peptide ELISA: antibody detection limit dilution 1:64000.

Comment: **Immunofluorescence:** Strong expression of the protein seen in the mitochondria/cytoplasm of MCF7 and U2OS cells. Recommended concentration: 10µg/ml.

Chromatin Immunoprecipitation: A six-fold increased presence of the FKBP5 locus observed when comparing the precipitations using EB06441 with non-specific goat IgG to bring down Androgen Receptor in a chromatin lysate from DHT-stimulated HEC50 cells.

Restrictions: For Research Use only

Handling

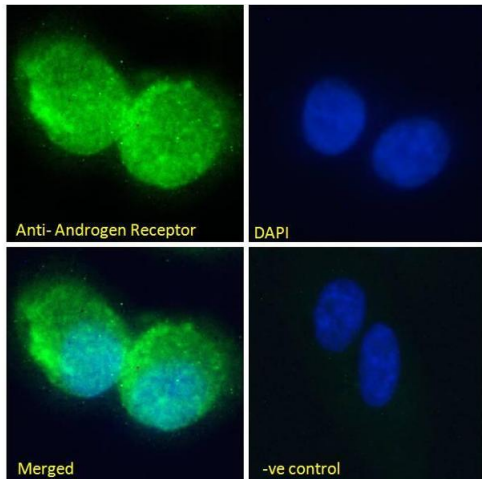
Format: Liquid

Concentration: 0.5 mg/mL

Handling

| | |
|--------------------|--|
| Buffer: | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |

Images

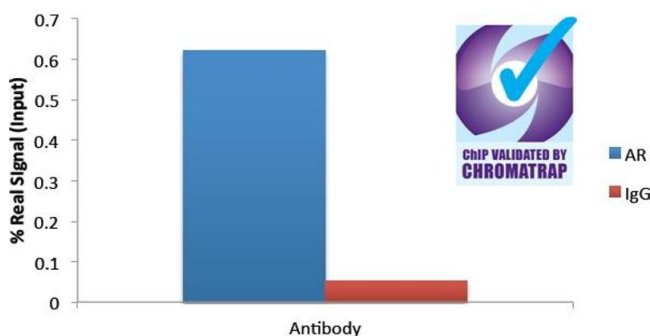


Immunofluorescence

Image 1. ABIN185266 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Chromatin Immunoprecipitation

Image 2. ChIP of 2ug ABIN185266 with 1ug DHT-treated HEC50 chromatin using the Chromatrap® spin column sonication kit (Protein G) measuring FKBP5 enrichment.





Immunohistochemistry

Image 3. ABIN185266 (2 μ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN185266.