

# Product Datasheet

## Androgen R/NR3C4 Antibody (AR441) [Janelia Fluor® 646] NBP2-47854JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47854JF646**

Androgen R/NR3C4 Antibody (AR441) [Janelia Fluor® 646]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | AR441   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Janelia Fluor 646   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Mouse   |
| Gene ID                 | 367   |
| Gene Symbol             | AR  |
| Species                 | Human, Mouse (Negative)   |
| Reactivity Notes        | Does not react with Mouse.  |
| Marker                  | Marker of Androgen Dependence   |
| Specificity/Sensitivity | Recognizes a protein of 110kDa, which is identified as androgen receptor (AR). It reacts with full length, and the newly described A form of the receptor. It does not cross react with estrogen, progesterone, or glucocorticoid receptors. The expression of AR is reportedly inversely correlated with histologic grade i.e. well differentiated prostate tumors show higher expression than the poorly differentiated tumors. In prostate cancer, AR has been proposed, as a marker of hormone-responsiveness and thus it may be useful in identifying patients likely to benefit from anti-androgen therapy. Anti-androgen receptor has been useful clinically in differentiating morpheaform basal cell carcinoma (mBCC) from desmoplastic trichoepithelioma (DTE) in the skin. This monoclonal antibody is superb for staining of formalin/paraffin tissues. |
| Immunogen               | A synthetic peptide, aa 302-318 (STEDTAEYSPFKGGYTK) of human Androgen R/NR3C4 (Uniprot: P10275)   |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.  |





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### **Products Related to NBP2-47854JF646**

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|                    |   |
|--------------------|---|
| H00000367-Q01-10ug | Recombinant Human Androgen R/NR3C4 GST (N-Term) Protein |
| 236-EG-200         | EGF [Unconjugated]                                      |
| NBP2-69854         | Human Androgen R/NR3C4 ELISA Kit (Chemiluminescence)    |
| NB200-305          | ER beta/NR3A2 Antibody (14C8)                           |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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