



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Androgen Receptor

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[nordicmubio.com/product/androgen-receptor](http://nordicmubio.com/product/androgen-receptor)

Catalogue number: **AR105**

Clone	F39.4.1
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

## Background

The antibody to androgen receptors binds to these proteins in nuclei of typical normal tissues. Over-expression may be observed in tumours like prostate carcinoma and osteosarcoma. For information transmission to the target cells male steroid hormones like Testosterone and DHT require a specific receptor. This specific receptor, called androgen receptor, is found in numerous human tissues like skin, mucous membranes, seminal vesicles, prostate gland and testis. Androgen receptors will also be found in human tumours like prostate carcinoma, osteosarcoma and others. In prostate carcinoma the clinical relevance has been proven by castration and androgen deprivation by Gn-RH-agonist and -antagonist treatment. In many cases androgen deprivation slows down tumour growth in androgen-dependent prostate carcinoma. Human androgen receptor, 110 kDa protein in lysate of LNCP cell line..

## Source

*Immunogen:* Synthetic peptide

## Product

Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art .No. PU002.

*Purification Method:* Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art .No. PU002.

*Secondary Reagents:* We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005).

## **Specificity**

*Species Reactivity:* Human

## **Applications**

IHC(C, P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (liquid conc.) 1:5 - 1:20

*Pre-Treatment:* Heat pre-treatment of formalin-fixed tissue with Unmasking Fluid C or G (Art. No. DE000 and DE007)

*Positive Control:* Testis

## **Storage**

2-8°C

## **Caution**

\*These antibodies are intended for in vitro research use only. They must not be used for clinical diagnostics and not for in vivo experiments in humans or animals. \*\* The preservative sodium azide is known to be poisonous and potentially hazardous to health. It should be handled only by trained staff. Despite of the product's low azide concentration it must be handled with care. Dispose according to regional rules!

## **References**

1. Veldscholte J., Berrevoets C.A., Zegers N.D., van der Kwast T.H., Grootegoed J.A., and Mulder E. (1992) Hormone -induced dissociation of the androgen receptor-heat-shock-protein complex: use of a new monoclonal antibody to distinguish transformed from nontransformed receptors. *Biochem.* 31(32);7422-7430. 2. Iwamura M., Abrahamsson P.A., Benning C.M., Cockett A.T., di Sant'Agnese P.A. (1994) Androgen receptor immunostaining and its tissue distribution in formalin-fixed paraffin-embedded sections after microwave treatment. *J. Histochem. Cytochem.* 42(6); 783-788. 3. Shikata N., Kurokawa I., Andachi H., Tsubura A. Expression of androgen receptors in skin appendage tumors: an immunohistochemical study. *J. Cutan. Pathol.* 22(2); 149-153. 4. Magi-Galluzzi C., Montironi R., Prete E., Kwan P.W., and Delellis R.A. (1996) Effect of microwave oven heating times on androgen receptor antigen retrieval from paraffin-embedded prostatic adenocarcinoma. *Anticancer Res.* 16(5A9); 2931-2936.

**Protein Reference(s)**

*Database Name:* UniProt

*Accession number:* Q91426 (Q91426\_ASPUN)