



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Rabbit anti-Human Androgen Receptor antibody

Catalog No: 130-10000	Isotype: Rabbit Ig G	Species: Human	Accession No: NP_000035
---------------------------------	--------------------------------	--------------------------	-----------------------------------

Description

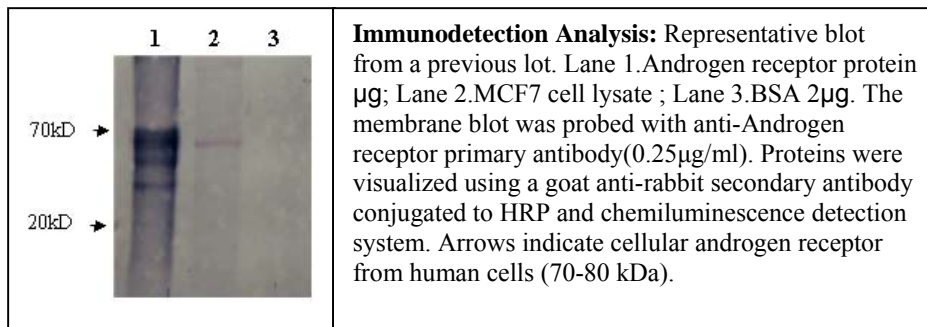
The human androgen receptor protein belongs to the class of nuclear receptors called activated class I steroid receptors, which also includes glucocorticoid receptor, progesterone receptor, and mineralocorticoid receptor. These receptors recognize canonical androgen response elements (AREs), which are inverted repeats of 5-prime-TGTTCT-3-prime. The major domains of AR include N- and C-terminal activation domains, which are designated activation function-1 (AF-1) and AF-2, a ligand-binding domain, and a polyglutamine tract. Human androgen receptor contain 920 amino acids and having a molecular mass of 110 kDa.

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	*			1:40000(at least detecting 25ng/ml)
Western Blotting	*			1:1000-5000(at least)
Enzyme Immunoassay(EIA)			*	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application



**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Preparation

Immunogen was full recombinant protein derived from human androgen receptor. This antibody was produced from a rabbit immunized with the immunogen. The IgG fraction was purified from rabbit serum followed by Protein A/G affinity chromatography.

Specificity

The rabbit anti-human AR antibody detects specifically target derived from human recombinant protein as well as MCF7 cell lysate at various concentrations. Cross reactivity with mouse and rat are expected from sequence similarity.

Reconstitution

Supplied as lyophilized and purified antibody originally containing PBS, without **Preservative Stabilizers**, liking Sodium Azide. *It final concentration is indicated in shipping vial.*

The antibody is stable for at least years from the data of receipt when stored at -20°C to -70°C . Reconstituted antibody (suggesting with sterile PBS) can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for months without detectable loss activity. Upon reconstitution, the antibody can also be stored over months at 4°C . **Please avoid freeze-thaw cycles.**

Storage

Store at -20°C , if not intended for use within a month, keep it at 4°C and minimize freezing and thawing when use.

Related products

1. Goat Anti-Androgen Receptor, with HRP-conjugated secondary antibody (cat# ER-04-0011)
2. Recombinant Human Androgen Receptor, Cat# RB-14-0003P

Reference

J Trapman J, et al., Cloning, structure and expression of a cDNA encoding the human androgen receptor. Biochem Biophys Res Commun. 1988 May 1;153(1):241-8. PMID: 3377788

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**