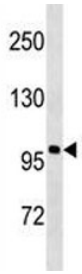
Anti-Androgen Receptor Antibody [clone 549CT16.1.4] (F40398)

Catalog No.	Formulation	Size
F40398-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40398-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgA
Clone Name	549CT16.1.4
Purity	Purified
UniProt	P10275
Applications	Western Blot : 1:100-1:250
Limitations	This anti-Androgen Receptor antibody is available for research use only.



Anti-Androgen Receptor antibody western blot analysis in NCI-H292 lysate. Predicted molecular weight ~99kDa.

Description

Androgen receptor (ANDR) has 3 major functional domains: the N-terminal domain, DNA-binding domain, and an androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. The gene for this protein contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of the protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations are also associated with complete androgen insensitivity (CAIS). PIAS1 and PIASxalpha function as SUMO-E3 ligases toward

androgen receptor; sumoylation of AR represses AR-dependent transcription.

Application Notes

Titration of the anti-Androgen Receptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Purified His-tagged protein fragment was used to produced this monoclonal anti-Androgen Receptor antibody.

Storage

Aliquot the anti-Androgen Receptor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.