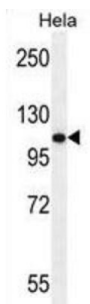
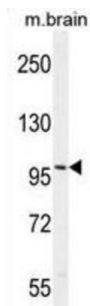
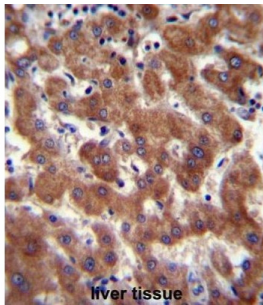


Androgen Receptor (AR) Antibody

Catalogue No.: abx025053



Androgen receptor 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 ANDR represses androgen receptor dependent transcription.

Target: Androgen Receptor (AR)

Clonality: Polyclonal

Reactivity: Human, Mouse

Tested Applications: ELISA, WB, IHC

Datasheet

Version: 2.0.0
Revision date: 10 Jul 2025



Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 365-392 amino acids from human Androgen Receptor (ANDR).
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P10275 (UniProt , ExPASy)
KEGG:	hsa:367
String:	9606.ENSP00000363822
Molecular Weight:	Calculated MW: 99.2 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Pig and Monkey AR.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.