

AR / Androgen Receptor Antibody (clone 2H8)
Mouse Monoclonal Antibody
Catalog # ALS13184**Specification**

AR / Androgen Receptor Antibody (clone 2H8) - Product Information

Application	IHC
Primary Accession	P10275
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	99kDa KDa

AR / Androgen Receptor Antibody (clone 2H8) - Additional Information**Gene ID** 367**Other Names**

Androgen receptor, Dihydrotestosterone receptor, Nuclear receptor subfamily 3 group C member 4, AR, DHTR, NR3C4

Target/Specificity

Human AR

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

AR / Androgen Receptor Antibody (clone 2H8) is for research use only and not for use in diagnostic or therapeutic procedures.

AR / Androgen Receptor Antibody (clone 2H8) - Protein Information**Name** AR**Synonyms** DHTR, NR3C4**Function**

Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues (PubMed:19022849). Transcription factor activity is modulated by bound coactivator and corepressor proteins like ZBTB7A that recruits NCOR1 and NCOR2 to the androgen response elements/ARE on target genes, negatively regulating androgen receptor signaling and androgen-induced cell proliferation (PubMed:20812024). Transcription activation is also down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.

Cellular Location

Nucleus. Cytoplasm Note=Detected at the promoter of target genes (PubMed:25091737)
Predominantly cytoplasmic in unligated form but translocates to the nucleus upon ligand-binding.
Can also translocate to the nucleus in unligated form in the presence of RACK1.

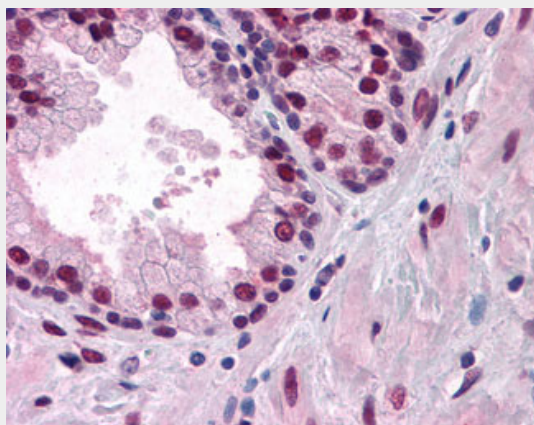
Tissue Location

[Isoform 2]: Mainly expressed in heart and skeletal muscle.

AR / Androgen Receptor Antibody (clone 2H8) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AR / Androgen Receptor Antibody (clone 2H8) - Images

Anti-Androgen Receptor antibody IHC of human prostate.

AR / Androgen Receptor Antibody (clone 2H8) - Background

Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Transcription factor activity is modulated by bound coactivator and corepressor proteins. Transcription activation is down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.

AR / Androgen Receptor Antibody (clone 2H8) - References

Lubahn D.B.,et al.Mol. Endocrinol. 2:1265-1275(1988).
Chang C.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:7211-7215(1988).
Tilley W.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:327-331(1989).
Lubahn D.B.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:9534-9538(1989).
Govindan M.V.,et al.Mol. Endocrinol. 4:417-427(1990).