

Rabbit anti-Androgen Receptor, clone EP120 (Monoclonal)

Clone no. EP120

MONOSAN

Product name	Rabbit anti-Androgen Receptor, clone EP120 (Monoclonal)
Host	Rabbit
Applications	IHC-P (1:100-1:200)
Species reactivity	human
Conjugate	-
Immunogen	A synthetic peptide corresponding to residues in the N-terminus of human Androgen Receptor protein
Isotype	IgG
Clonality	Monoclonal
Clone number	EP120
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Androgen receptor (AR) is a member of the steroid receptor superfamily that is essential for the growth of prostate cancer cells. It has been reported that tyrosine phosphorylation of AR is induced by growth factors and elevated in hormone-refractory prostate tumors. Data suggest that growth factors and their downstream tyrosine kinases, which are elevated during hormone-ablation therapy, can induce tyrosine phosphorylation of AR. Such modification may be important for prostate tumor growth under androgen-depleted conditions. Cellular signaling occurs following androgen binding to the AR and translocation to the nucleus. This activated complex associates with androgen-responsive elements contained in the DNA sequence of target genes, affecting the transcriptional activity of these genes.

References

1. Horie K, et al. Hum Reprod, 1992, 7:1461-1466
2. Loda M, et al.: Mod Pathol, 1994, 7:388-391
3. Miyamoto H, et al.: Prostate, 2004, 61:332-353
4. Guo Z, et al.: Cancer Cell, 2006, 10:309-319
5. Callewaert L, et al.: Biochem Biophys Res Commun, 2003, 306:46-52

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