

Product datasheet for **TA354843**

SOX9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from internal sequence of Human SOX-9 protein. This sequence is identical among human, rat, mouse, bovine, chicken, and dog.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	SRY-box 9
Database Link:	NP_000337 Entrez Gene 20682 Mouse Entrez Gene 140586 Rat Entrez Gene 6662 Human P48436



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- Background:** The SOX9 is a member of the SOX [Sry-related high-mobility group (HMG) box] family of HMG DNA-binding domain transcription factors and is required for the development and differentiation of multiple cell lineages. SOX9 is expressed in primary prostate cancers in vivo, at a higher frequency in recurrent prostate cancer and in prostate cancer cell lines (LNCaP, CWR22, PC3, and DU145). It has been reported that the cAMP/PKA stimulation induces SOX-9 nuclear translocation via facilitating its nuclear import by the phosphorylation of SOX-9 at Ser64 and Ser181. SOX9 in prostate basal cells supports the development and maintenance of the luminal epithelium and that a subset of prostate cancer cells may escape basal cell requirements through SOX9 expression.
- Synonyms:** CMD1; CMPD1; SRA1; SRXX2; SRXY10
- Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Product images:

WB: The whole cell lysate derived from LNCaP was immunoblotted by Rabbit anti-SOX-9 at 1:500 (Lane 1), (Lane 2 is a background negative control)