

Product datasheet for **AP11363PU-N**

SOX9 Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | ELISA 1:1,000. Western blot 1:50 - 1:100. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Center region of human SOX9. |
| Specificity: | This antibody detects SOX9 at center. |
| Formulation: | PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction |
| Concentration: | lot specific |
| Purification: | Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS, then purified by peptide affinity purification. |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | SRY-box 9 |
| Database Link: | Entrez Gene 6662 Human P48436 |

[View online »](#)

Background:

SOX9 is a member of the family of SOX (Sry-type high mobility group box) genes that were first identified on the basis of region with high homology to that of Sry (Sex determining region Y). SOX9 is a transcription factor with a high mobility group DNA-binding domain that is expressed in all prechondrocytic and chondrocytic cells during embryonic development in a pattern that close parallels that of the gene for type II collagen. SOX9 is important in neural crest formation, and is involved in regulating subsequent epithelial-mesenchymal transition and migration.

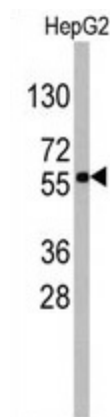
SOX9 recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal.

Synonyms:

Transcription factor SOX-9, SRY-box 9, SRA1, CMD1, CMPD1

Note:

Molecular weight: 56137 Da

Product images:


Western blot analysis of anti-SOX9 Antibody (Center) in HepG2 cell line lysates (35 ug/lane). SOX9 (arrow) was detected using the purified Pab (1:60 dilution).