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# Polyclonal Antibody to Rhox9 (82-96) - Serum

**Alternate names:** Reproductive homeobox 9, Rhox-9

**Catalog No.:** AP32924SU-N

**Quantity:** 0.1 ml

**Background:** Reproductive homeobox on X chromosome 9, also known as Reproductive Homeobox (Rhox) protein GPBOX, is a nuclear protein product of a 12 X-linked novel homeobox gene family that plays an important role during postnatal testis development. The members of this family are characterized by a conserved 60-amino-acid DNA-binding homeodomain. These transcription factors not only play an important role in various developmental processes such as DNA-dependent transcriptional regulation, body-plan specification, pattern formation, and cell fate determination, but also in understanding the development and physiology of the human reproductive system.

**Uniprot ID:** A4FTZ4

**NCBI:** 10090

**Host:** Rabbit

**Immunogen:** Amino acids 82-96 of Mouse Rhox-9
**AA Sequence:**
CAQEATGGEEEGENKE
**Remarks:** The amino acid sequence used as immunogen is 100% homologous in mouse, 88% homologous in rat, 80% homologous in chicken, 73% homologous in zebrafish and 70% homologous in cow.

**Format:** **State:** Liquid Crude Serum
**Preservatives:** 0.025% Sodium Azide
**Stabilizers:** 50% Glycerol

**Applications:** **Western blot analysis:** 1/1000-1/2000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** The theoretical size of Mouse Rhox-9 is approximately 25 kD. This antibody detects a doublet at approximately 35 kD, which is completely blocked by the immunizing peptide. The reason for the size discrepency is not known.

**Species Reactivity:** **Tested:** Chicken, Cow, Rat, Zebrafish.

**Storage:** Upon receipt, store undiluted (in aliquots) at -20°C.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.

**General Readings:** 1. Maclean JA, Chen MA, Wayne CM, Bruce SR, Rao M, Meistrich ML, et al. Rhox: a new homeobox gene cluster. Cell. 2005 Feb 11;120(3):369-82. PubMed PMID: 15707895.
2. Morris, L. et al. Mamm. Genome. 7:178-187 (2006).

**Pictures:**

Western blot analysis of Rhox-9 in mouse placenta in the 1) absence and 2) presence of immunizing peptide using AP32924SU-N at 1/2000. Goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.