

AP42202PU-N**Polyclonal Antibody to SOX12 - Aff - Purified****Alternate names:**

SOX-22 protein, SOX22, SRY-box 12, SRY-box 22, Transcription factor SOX-12

Quantity:

0.1 mg

Background:

Members of the SOX family of transcription factors are characterized by the presence of a DNA-binding high mobility group (HMG) domain, homologous to the HMG box of sex-determining region Y (SRY). Forming a subgroup of the HMG domain superfamily, SOX proteins have been implicated in cell fate decisions in a diverse range of developmental processes. SOX transcription factors have diverse tissue-specific expression patterns during early development and have been proposed to act as target-specific transcription factors and/or as chromatin structure regulatory elements. The SOX12 gene encodes a protein that was identified as a SOX family member based on conserved domains and its expression in various tissues suggests a role in both differentiation and maintenance of several cell types.

Uniprot ID:[Q15370](#)**NCBI:**[NP_008874](#)**GeneID:**[6666](#)**Host:**

Rabbit

Immunogen:

The immunogen for anti-SOX12 antibody: synthetic peptide directed towards the C terminal of human SOX12.

AA Sequence:

DCSALDRDPLQPPSGTSHFEFPDYCTPEVTEMIAGDWRPSSIADLVFTY

Format:

State: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Purification: Purified using Protein A affinity column

Applications:

Western blotting (1 - 5 µg/ml)

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Species Reactivity:

Tested: Human

Expected from sequence similarity: Mouse, Rat, Dog

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Weiss, M.A. et al., (2001) Mol. Endocrinol. 15 (3), 353-362

Pictures:

WB Suggested Anti-SOX12 Antibody;
Titration: 1.25 ug/ml; Positive Control:
Jurkat Whole Cell

