

AP20530PU-N**Polyclonal Antibody to SOX8/9/17/18 - Aff - Purified****Alternate names:**

SOX-17, SOX-18, SOX-8, SOX-9

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

Sox genes comprise a family of genes that are related to the mammalian sex determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at a minimum of 40 different loci that rapidly diverged in various animal lineages. At present 30 Sox genes have been identified, and members of this family have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal.

Uniprot ID:[P57073](#)**NCBI:**[NP_055402](#)**GenEID:**[30812](#)**Host:**

Rabbit

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity chromatography (> 95% (by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS), pH 7.2.**Preservatives:** 0.05% sodium azide**Applications:****Western blot:** 1/500 - 1/1000.**Immunohistochemistry on paraffin sections:** 1/50 - 1/200.

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

Molecular Weight:

~ 47 kDa

Specificity:This antibody detects endogenous levels of Sox-8/9/17/18 protein.
(region surrounding Lys148)**Species Reactivity:****Tested:** Human.**Expected from sequence similarity:** Mouse.**Storage:**

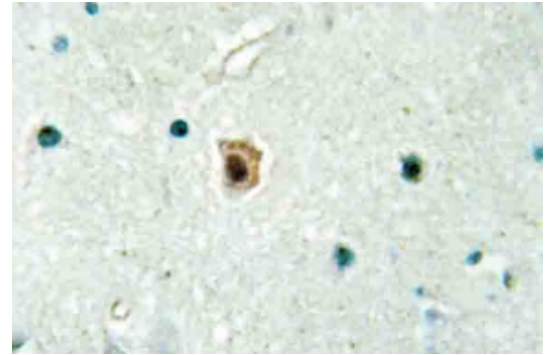
Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of Sox-8/9/17/18 antibody (Cat.-No.: AP20530PU-N) in paraffin-embedded human brain tissue.



Western blot (WB) analysis of Sox-8/9/17/18 antibody (Cat.-No.: AP20530PU-N) in extracts from COS7 cells.

