

Product datasheet for **AP20431PU-N**

Oct6 (POU3F1) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Specificity: | This antibody detects endogenous levels of Oct-6 protein. (region surrounding Ala332) |
| Formulation: | Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% by SDS-PAGE). |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity Chromatography using epitope-specific immunogen. |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | ~45 kDa |
| Gene Name: | POU class 3 homeobox 1 |
| Database Link: | Entrez Gene 18991 Mouse Entrez Gene 192110 Rat Entrez Gene 5453 Human Q03052 |



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Background:

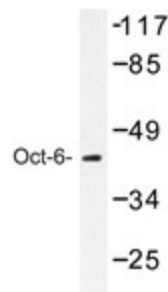
POU homeodomain proteins are transcriptional regulators that function in various developmental processes (e.g. cell division, differentiation, specification and survival of specific cell types) and participate in the determination of cell fate. The 45 kDa POU transcription factor Oct-6 (also designated SCIP and Tst-1) is expressed by late embryonic Schwann cells of the peripheral nervous system and is also expressed by nonmyelinating Schwann cells in adults. Oct-6 is strongly upregulated in promyelin cells because it is required for the timely differentiation of promyelin cells into myelinating cells. Oct-6 functions during myelination and is required for the proper downregulation of its own gene when myelination proceeds. c-Myc can act synergistically with the POU domain of Oct-6 to produce myelin disease pathogenesis in the mammalian central nervous system.

Synonyms:

Oct-6, Octamer-binding protein 6, OTF6, Octamer-binding transcription factor 6, SCIP

Protein Families:

Transcription Factors

Product images:

Western blot analysis of Oct-6 antibody (Cat.-No.: AP20431PU-N) in extracts from A549 cell.