

Product datasheet for **AP31838PU-N**

Oct6 (POU3F1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: 1/32000 (Detection Limit). Western blot: 1-3 µg/ml. Approx 50kDa band observed in Human Ovary, Placenta and Umbilical Cord lysates (calculated MW of 45.5kDa according to NP_002690.3).
Reactivity:	Bovine, Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_002690.3.
Specificity:	This antibody recognizes OCT6
Formulation:	Tris buffered saline, pH~7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	POU class 3 homeobox 1
Database Link:	Entrez Gene 5453 Human Q03052



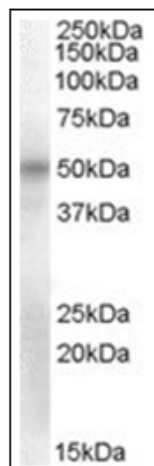
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Background:

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

Product images:

Staining of Human Umbilical Cord lysate (35ug protein in RIPA buffer) using OCT6 Antibody at 2 ug/ml. Primary incubation was 1 hour. Detected by chemiluminescence.