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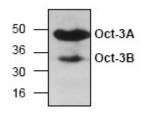
AP00249PU-N	Polyclonal Antibody to OCT3/4 - Aff - Purified
Alternate names:	OCT3, OCT4, OTF3, Oct-3, Oct-4, Octamer-binding transcription factor 3, POU domain, POU5F1, class 5, transcription factor 1
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	Members of Oct family of transcription factors specifically interact with Octamer motif ATGCAAAT, a regulatory element important for tissue- and cell-specific transcription as well as for transcription of a number of housekeeping genes. All of the members of the Oct family contain two highly conserved domains which are separated by 14-26 variable amino acids. These include the POU homeodomain and the POU-specific domain. Both are required for DNA binding and are involved in protein-protein interactions. Evidences indicate that regulation of Oct family transcription factors occurs at the level of phosphorylation.
Uniprot ID:	<u>Q01860</u>
NCBI:	<u>NP_002692.2</u>
GenelD:	<u>5460</u>
Host:	Rabbit
Immunogen:	Synthetic peptide mapping to the N-terminus of Mouse Oct-4.
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography Buffer System: PBS, pH 7.2 Preservatives: 0.01% Thimerosal Stabilizers: 30% Glycerol, 0.5% BSA
Applications:	Western blot: 0.5-4 μg/ml. Immunoprecipitation: 20 μg/ml. Immunohistochemistry: 20 μg/ml. <i>Positive Control:</i> Rat kidney tissue lysate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody reacts with 45 kDa Oct-4 (also designated Oct-3A) and in a less extent 33 kDa Oct-3B Species: Human, Mouse, Rat, Bovine and Pig. Other species not tested.
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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Pictures:

Western blot analysis of Oct-3/4 in rat kidney tissue lysate using AP00249PU-N.



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