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AP00249PII-N

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Polyclonal Antibody to OCT3/4 - Aff - Purified

Alternate names: OCT3, OCT4, OTF3, Oct-4, Octamer-binding transcription factor 3, POU domain,

POU5F1, class 5, transcription factor 1

Catalog No.: AP00249PU-N

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: Q01860

NCBI: NP 002692.2

GenelD: 5460
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 containing 30% Glycerol, 0.5% BSA and 0.01% Thimerosal as

preservative.

Applications: Western blot: 0.5-4 μg/ml.

Immunoprecipitation: 20 μg/ml. Immunohistochemistry: 20 μg/ml. Positive Control: 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-3) and in a less extent 33 kDa

Oct-3B

Species: Human, Mouse, Rat, Bovine and Pig.

Other species not tested.

Storage: Store the antibody undiluted at -20°C or (in aliquots) at -70°C for longer.

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.

Antibody Hotline - Technical Questions - Antibody Location Service

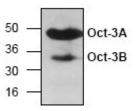
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



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Pictures:

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



Recommended Control Peptides:

AP00249CP-N