

Anti-Oct-2 Polyclonal Antibody

CATALOG NO: 3575-30T 30 µg (Trial size)
3575-100 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 464 of human Oct-2 (Internal ID# BV-D50G)

SPECIES REACTIVITY: Human, Mouse, Rat

FORMULATION:

0.5 mg/ml purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

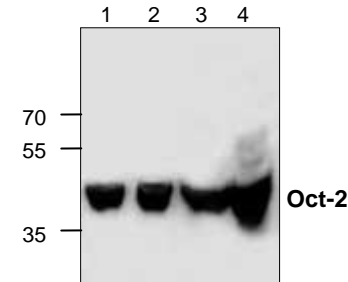
Members of Oct family of transcription factors specifically interact with Octamer motif ATGCAAAT, a regulatory element important for tissue- and cell-specific transcription as well as for transcription of a number of housekeeping genes. All of the members of the Oct family contain two highly conserved 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.

SPECIFICITY:

The antibody recognizes ~52 kDa Oct-2 in samples from human, mouse, and rat origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml), and Immunohistochemistry (5 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3575BP-50) is available separately.



Cat.#: 3575-100

Western blot analysis of Oct-2 expression in lysates from Jurkat cells (Lane 1 & 2), 3T3 cells (Lane 3) and rat kidney (Lane 4).

RELATED PRODUCTS:

- Oct-1 Antibody (Cat # 3342-100)
- Oct-2 Antibody (Cat # 3575-100)
- Oct-4 Antibody (Cat # 3576-100)

FOR RESEARCH USE ONLY! Not to be used on humans.