

Oct-1 polyclonal antibody

Catalog: BS90001

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

POU domain proteins contain a bipartite DNA binding domain divided by a flexible linker that enables them to adopt various monomer configurations on DNA. The versatility of POU protein operation is additionally conferred at the dimerization level. The POU dimer from the Oct-1 gene formed on the palindromic Oct factor-recognition element (PORE), which is comprised of an inverted pair of homeodomain-binding sites separated by exactly 5 bp (ATTTGAAATGCAAAT), could recruit the transcriptional co-activator OBF1. Studies of tissue-specific expression of immunoglobulin promoters demonstrate the importance of an octamer, ATTTGCAT, and the proteins that bind to it. This is a regulatory element important for tissue- and cell-specific transcription, as well as for transcription of a number of housekeeping genes. The Oct-1 gene encodes one protein, NF-A1, which is found in nuclear extracts from all cell types and thus is not specific to lymphoid cells as is the protein NF-A2, which is encoded by the Oct-2 gene.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size 76 kDa

Swiss-Prot:

P14859(Human) P25425(Mouse) P31503(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

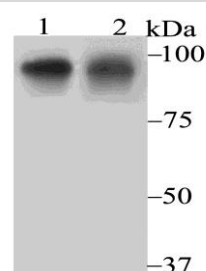
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

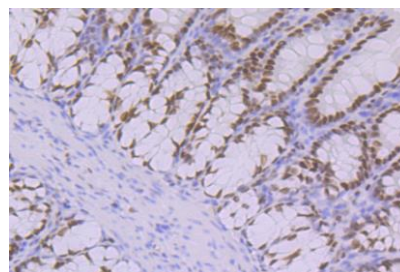
Specificity:

Oct-1 polyclonal antibody detects endogenous levels of Oct-1 protein.

DATA:



Western blot analysis of Oct-1 on SH-SY-5Y cell (1) and A431 cell (2) lysate using anti-Oct-1 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat large intestine tissue using anti-Oct-1 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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