

NeuroD1 polyclonal antibody

Catalog: BS90931

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The basic helix-loop-helix (bHLH) proteins are transcription factors that are required for several aspects of development, including cell type determination, terminal differentiation and sex determination. The HLH domain is required for dimerization, while the basic region makes specific contacts with DNA. Members of the myogenic determination family, MyoD, myf5, myogenin and MRF4, all have bHLH domains. These proteins heterodimerize with members of the E protein family and initiate myogenesis. Neuro D has been identified as a bHLH transcription factor functioning in neurogenic differentiation. Neuro D is expressed transiently in a subset of neurons in the central and peripheral nervous systems at the time of their terminal differentiation into mature neurons. Moreover, ectopic expression of Neuro D in *Xenopus* embryos induces premature differentiation of neuronal precursors and Neuro D can convert presumptive epidermal cells into neurons.

Product:

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

Molecular Weight:

45 kDa

Swiss-Prot:

Q13562(Human) Q60867(Mouse) Q64289(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:1,000

IP:1:10-1:50

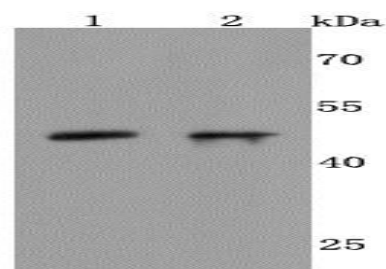
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

NeuroD1 polyclonal antibody detects endogenous levels of NeuroD1 protein.

DATA:



Western blot analysis of NeuroD1 on different cells lysates using anti-NeuroD1 antibody at 1/500 dilution. Positive control: Line 1: human brain Line 2:SH-SY5Y

Note:

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

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