

LHX1 polyclonal antibody

Catalog: BS5782

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

During development, genetically distinct subtypes of motor neurons express unique combinations of LIM-type homeodomain factors, which regulate cell migration and guide motor axons to establish the fidelity of a binary choice in axonal trajectory. The LIM gene family encodes a set of gene products, which carry the LIM domain, a unique cysteine-rich zinc-binding domain. At least 40 members of this family have been identified in vertebrates and invertebrates, and are distributed into 4 groups according to the number of LIM domains and to the presence of homeodomains and kinase domains. The overlapping expression of LHX1, LHX3, LHX4, Isl-1 and Isl-2 in developing motoneurons along the spinal column may influence the establishment of specific motoneuron subtypes. The human LHX1 gene maps to chromosome 11p13-p12 and encodes a 384 amino acid protein. The human LHX1 transcript is assembled from five exons, which are separated by introns ranging in size from 93 nt to 2.3 kb. The two LIM domains are entirely contained in the first and second exons, respectively, while the homeodomain is split into exons three and four.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 45 kDa

Swiss-Prot:

P48742

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

ICC: 1:50~1:200

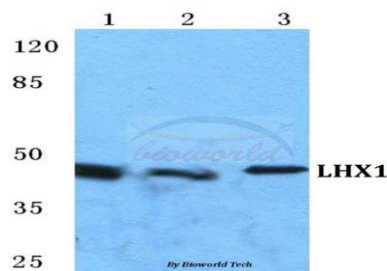
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

LHX1 polyclonal antibody detects endogenous levels of LHX1 protein.

DATA:



Western blot (WB) analysis of LHX1 polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate

Lane2: sp2/0 cell lysate

Lane3: H9C2 cell lysate

Note:

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

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