

Datasheet for ABIN2777830
anti-LHX5 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | LHX5 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This LHX5 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human LHX5 |
| Sequence: | FFRSPRRMRP LGGRLDESEM LGSTPYTYG DYQGDYYAPG SNYDFFAHGP |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 83% |
| Characteristics: | This is a rabbit polyclonal antibody against LHX5. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | LHX5 |
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Target Details

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| Alternative Name: | LHX5 (LHX5 Products) |
| Background: | <p>LHX5 plays an essential role in the regulation of neuronal differentiation and migration during development of the central nervous system. This gene encodes a protein belonging to a large protein family, members of which carry the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein may function as a transcriptional regulator and be involved in the control of differentiation and development of the forebrain. In mice, this protein is essential for the regulation of precursor cell proliferation and the control of neuronal differentiation and migration during hippocampal development. This protein is involved in learning and motor functions in adult mice.</p> <p>Alias Symbols: MGC129689</p> <p>Protein Size: 402</p> |
| Molecular Weight: | 44 kDa |
| Gene ID: | 64211 |
| NCBI Accession: | NM_022363 , NP_071758 |
| UniProt: | Q9H2C1 |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 402 AA |
| Restrictions: | For Research Use only |

Handling

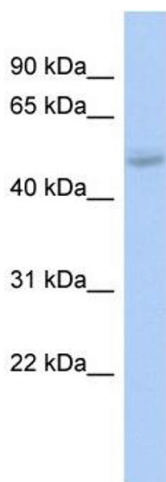
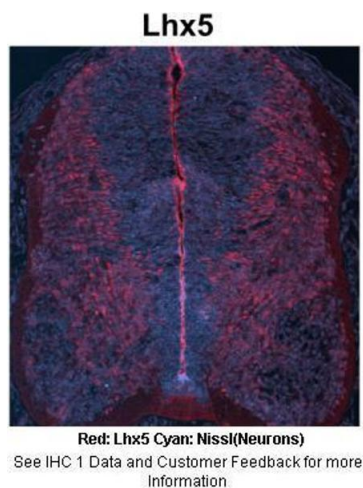
| | |
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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |

Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Sample Type : Embryonic mouse spinal cord
Primary Antibody Dilution : 1:500 Secondary Antibody : Anti-rabbit-Cy3 Secondary Antibody Dilution : 1:1000
Color/Signal Descriptions : Red: Lhx5 Cyan: Nissl(Neurons)
Gene Name : LHX5 Submitted by : Joshua R. Sanes, Molecular and Cellular Biology, Harvard University, 52 Oxford Street, Room 335, Cambridge MA 02138, Phone: 617-496-8683, FAX: 617-495-0524, email: sanesj@mcb.harvard.edu

Western Blotting

Image 2. WB Suggested Anti-LHX5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: COLO205 cell lysate LHX5 is supported by BioGPS gene expression data to be expressed in COLO205