Datasheet for ABIN7602487

# anti-LHX6 antibody (AA 8-363)

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## Overview

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| Quantity: | 100 µg |
| Target: | LHX6 |
| Binding Specificity: | AA 8-363 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This LHX6 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Purpose: | Anti-LHX6 Antibody Picoband® |
| Immunogen: | E.coli-derived human LHX6 recombinant protein (Position: C8-Y363). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-LHX6 Antibody Picoband® (ABIN7602487). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | LHX6 |
| Alternative Name: | LHX6 (LHX6 Products) |
| Background: | Synonyms: C-C motif chemokine 16, Chemokine CC-4, HCC-4, Chemokine LEC, IL-10-inducible chemokine, LCC-1, Liver-expressed chemokine, Lymphocyte and monocyte chemoattractant, LMC, Monotactin-1, MTN-1, NCC-4, Small-inducible cytokine A16, CCL16, ILINCK, NCC4, SCYA16<br>Tissue Specificity: Mainly expressed in liver, also found in spleen and thymus. Highly expressed in LPS- and IFN-gamma- activated monocytes, weakly in some lymphocytes, including natural killer cells, gamma-delta T-cells, and some T-cell clones.<br>Background: LIM/homeobox protein Lhx6 is a protein that in humans is encoded by the LHX6 gene. This gene encodes a member of a large protein family that contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein has tandem LIM domains as well as a DNA-binding homeodomain. The protein functions as a transcription factor involved in embryogenesis and head development and is highly expressed in neural crest derived mesenchyme cells. Alternative splicing results in multiple transcript variants encoding distinct isoforms. |
| Molecular Weight: | 60 kDa |
| Gene ID: | 26468 |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human<br>Immunohistochemistry, 2-5 µg/mL, Human<br>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Choi, G. B., Dong, H., Murphy, A. J., Valenzuela, D. M., Yancopoulos, G. D., Swanson, L. W., Anderson, D. J. Lhx6 delineates a pathway mediating innate reproductive behaviors from the amygdala to the hypothalamus. Neuron 46: 647-660, 2005. 2. Flandin, P., Zhao, Y., Vogt, D., Jeong, J., Long, J., Potter, G., Westphal, H., Rubenstein, J. L. R. Lhx6 and Lhx8 coordinately induce neuronal expression of Shh that controls the generation of interneuron progenitors. Neuron 70: 939-950, 2011. 3. Gong, S., Zheng, C., Doughty, M. L., Losos, K., Didkovsky, N., Schambra, U. B., Nowak, N. J., Joyner, A., Leblanc, G., Hatten, M. E., Heintz, N. A gene expression atlas of the central nervous system based on bacterial artificial chromosomes. Nature 425: 917-925, 2003. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |