

# LHX2 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1542a

## Product Information

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<b>Application</b>	WB, ICC, E
<b>Primary Accession</b>	<a href="#">P50458</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	6G2
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	44373
<b>Description</b>	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. The protein can recapitulate or rescue phenotypes in Drosophila caused by a related protein, suggesting conservation of function during evolution.
<b>Immunogen</b>	Purified recombinant fragment of human LHX2 expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Gene ID</b>	9355
<b>Other Names</b>	LIM/homeobox protein Lhx2, Homeobox protein LH-2, LIM homeobox protein 2, LHX2, LH2
<b>Dilution</b>	WB~~1/500 - 1/2000 ICC~~N/A E~~1/10000
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	LHX2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	LHX2
<b>Synonyms</b>	LH2

<b>Function</b>	Acts as a transcriptional activator. Stimulates the promoter of the alpha-glycoprotein gene. Transcriptional regulatory protein involved in the control of cell differentiation in developing lymphoid and neural cell types (By similarity).
<b>Cellular Location</b>	Nucleus.

## References

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1. PLoS One. 2008 Apr 23;3(4):e2025. 2. Science. 2008 Jan 18;319(5861):304-9.

## Images

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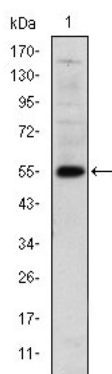


Figure 1: Western blot analysis using LHX2 mAb against human LHX2 (AA: 200-406) recombinant protein. (Expected MW is 55 kDa)

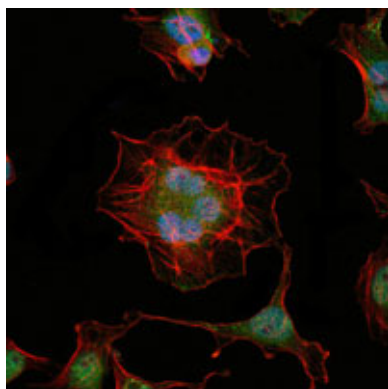


Figure 2: Immunofluorescence analysis of HeLa cells using LHX2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.