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LHX2 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1542a

Product Information

Application	WB, ICC, E
Primary Accession	P50458
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6G2
Isotype	IgG1
Calculated MW	44373
Description	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.
Immunogen	Purified recombinant fragment of human LHX2 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	9355
Other Names	LIM/homeobox protein Lhx2, Homeobox protein LH-2, LIM homeobox protein 2, LHX2, LH2
Dilution	WB~~1/500 - 1/2000 ICC~~N/A E~~1/10000
Storage	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.
Precautions	LHX2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LHX2
Synonyms	LH2

Function	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).
Cellular Location	Nucleus.

References

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

Images

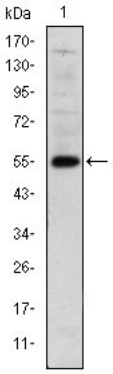


Figure 1: Western blot analysis using LHX2 mAb against human LHX2 (AA: 200-406) recombinant protein. (Expected MW is 55 kDa)

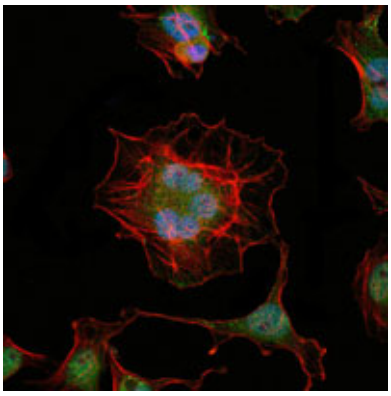


Figure 2: Immunofluorescence analysis of Hela cells using LHX2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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