

**Goat Anti-LHX2 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1622a

**Specification**

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**Goat Anti-LHX2 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P50458</a>
Other Accession	<a href="#">NP_004780</a> , <a href="#">9355</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rat, Dog</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Concentration	<b>100ug/200ul</b>
Isotype	<b>IgG</b>
Calculated MW	<b>44373</b>

**Goat Anti-LHX2 Antibody - Additional Information**

**Gene ID** 9355

**Other Names**

LIM/homeobox protein Lhx2, Homeobox protein LH-2, LIM homeobox protein 2, LHX2, LH2

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**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**

Goat Anti-LHX2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-LHX2 Antibody - 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.

## Goat Anti-LHX2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Goat Anti-LHX2 Antibody - Images



AF1622a (1 µg/ml) staining of DAUDI lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-LHX2 Antibody - Background

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.

## Goat Anti-LHX2 Antibody - References

Common genetic variation and performance on standardized cognitive tests. Cirulli ET, et al. *Eur J Hum Genet*, 2010 Jul. PMID 20125193.

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Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. *Nat Genet*, 2004 Jan. PMID 14702039.

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Superactivation of Pax6-mediated transactivation from paired domain-binding sites by dna-independent recruitment of different homeodomain proteins. Mikkola I, et al. *J Biol Chem*, 2001 Feb 9. PMID 11069920.