10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LHX8 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18525c

Specification

LHX8 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q68G74
Other Accession	O35652, NP_001001933.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39301**
Antigen Region	**205-232**

LHX8 Antibody (Center) - Additional Information

Gene ID 431707

Other Names
LIM/homeobox protein Lhx8, LIM homeobox protein 8, LHX8

Target/Specificity
This LHX8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 205-232 amino acids from the Central region of human LHX8.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LHX8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LHX8 Antibody (Center) - Protein Information

Name LHX8

Function Transcription factor involved in differentiation of certain neurons and mesenchymal

cells.

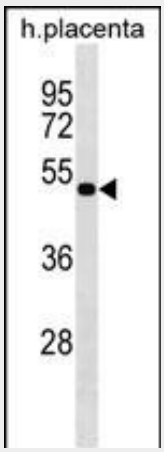
Cellular Location
Nucleus.

LHX8 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LHX8 Antibody (Center) - Images



LHX8 Antibody (Center) (Cat. #AP18525c) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the LHX8 antibody detected the LHX8 protein (arrow).

LHX8 Antibody (Center) - Background

Members of the LIM homeobox gene family, such as LHX8, encode transcription regulators that share common structural features. They all contain 2 tandemly repeated cysteine-rich double-zinc finger motifs, called LIM domains, in addition to a homeodomain. The homeodomain is a DNA-binding domain, and the LIM domains are essential for regulating the activity of these molecules by interacting with other proteins. Members of the LIM homeobox gene family are required for the patterning or the specification and differentiation of different cell types during embryonic development (Zhao et al., 1999 [PubMed 10611327]).

LHX8 Antibody (Center) - References

Nikopensius, T., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(9):748-756(2010)

Jagomagi, T., et al. Eur. J. Oral Sci. 118(3):213-220(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Vieira, A.R., et al. Genet. Med. 10(9):668-674(2008)
Qin, Y., et al. Fertil. Steril. 89(4):1012-1014(2008)