

**LHX4 Antibody(Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP19528c****Specification**

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**LHX4 Antibody(Center) Blocking peptide - Product Information**Primary Accession [Q969G2](#)**LHX4 Antibody(Center) Blocking peptide - Additional Information****Gene ID** 89884**Other Names**

LIM/homeobox protein Lhx4, LIM homeobox protein 4, LHX4

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**LHX4 Antibody(Center) Blocking peptide - Protein Information****Name** LHX4**Function**

May play a critical role in the development of respiratory control mechanisms and in the normal growth and maturation of the lung. Binds preferentially to methylated DNA (PubMed:&lt;a href="http://www.uniprot.org/citations/28473536" target="\_blank"&gt;28473536&lt;/a&gt;).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

**LHX4 Antibody(Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**LHX4 Antibody(Center) Blocking peptide - Images****LHX4 Antibody(Center) Blocking peptide - Background**

This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein may function as a transcriptional regulator and be involved in control of differentiation and development of the pituitary gland. Mutations in this gene are associated with syndromic short stature and pituitary and hindbrain defects. An alternative splice variant has been described but its biological nature has not been determined.

#### **LHX4 Antibody(Center) Blocking peptide - References**

Dateki, S., et al. J. Clin. Endocrinol. Metab. (2010) In press :Castinetti, F., et al. J. Clin. Endocrinol. Metab. 93(7):2790-2799(2008)Pfaeffle, R.W., et al. J. Clin. Endocrinol. Metab. 93(3):1062-1071(2008)Liu, S., et al. Biochem. Biophys. Res. Commun. 366(1):36-41(2008)de Bruijn, D.R., et al. Oncogene 27(5):653-662(2008)