

**LMX1B Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8935c****Specification**

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**LMX1B Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O60663](#)**LMX1B Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4010**Other Names**

LIM homeobox transcription factor 1-beta, LIM/homeobox protein 12, LMX-12, LIM/homeobox protein LMX1B, LMX1B

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8935c](/products/AP8935c) was selected from the Center region of human LMX1B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**LMX1B Antibody (Center) Blocking Peptide - Protein Information****Name** LMX1B**Function**

Transcription factor involved in the regulation of podocyte- expressed genes (PubMed: [24042019](http://www.uniprot.org/citations/24042019), PubMed: [28059119](http://www.uniprot.org/citations/28059119)). Essential for the specification of dorsal limb fate at both the zeugopodal and autopodal levels.

**Cellular Location**

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

**Tissue Location**

Expressed in most tissues. Highest levels in testis, thyroid, duodenum, skeletal muscle, and pancreatic islets

## **LMX1B Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **LMX1B Antibody (Center) Blocking Peptide - Images**

## **LMX1B Antibody (Center) Blocking Peptide - Background**

LMX1B is required for the normal development of the dopaminergic system. Loss of dopaminergic neurons is associated with one of the most prominent human neurological disorders, Parkinson's disease (PD). Dopaminergic neurons play an important role in the control of multiple brain functions including voluntary movement alongside an array of behavioral processes such as mood, reward, addiction, and stress. Lmx1b is one of several transcription factors involved in the generation of dopaminergic neurons in the brain.

## **LMX1B Antibody (Center) Blocking Peptide - References**

Ham,J.H., et.al., Korean J. Intern. Med. 24 (3), 274-278 (2009)Bergman,O., et.al., J Neural Transm 116 (3), 333-338 (2009)