

**LMX1B Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2823a****Specification**

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**LMX1B Antibody (internal region) - Product Information**

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|-------------------|-------------------------------------------------------------------------------------------------------------------|
| Application       | E                                                                                                                 |
| Primary Accession | <a href="#">O60663</a>                                                                                            |
| Other Accession   | <a href="#">NP_002307.1</a> , <a href="#">4010</a> , <a href="#">16917 (mouse)</a> , <a href="#">114501 (rat)</a> |
| Predicted Host    | Human, Mouse, Rat                                                                                                 |
| Clonality         | Goat                                                                                                              |
| Concentration     | Polyclonal                                                                                                        |
| Isotype           | 0.5 mg/ml                                                                                                         |
| Calculated MW     | IgG                                                                                                               |
|                   | 44917                                                                                                             |

**LMX1B Antibody (internal region) - Additional Information****Gene ID** 4010**Other Names**

LIM homeobox transcription factor 1-beta, LIM/homeobox protein 1.2, LMX-1.2, LIM/homeobox protein LMX1B, LMX1B

**Dilution**

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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**

LMX1B Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**LMX1B Antibody (internal region) - Protein Information****Name** LMX1B**Function**

Transcription factor involved in the regulation of podocyte- expressed genes (PubMed:&lt;a href="http://www.uniprot.org/citations/24042019" target="\_blank"&gt;24042019&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/28059119" target="\_blank"&gt;28059119&lt;/a&gt;). 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 (internal region) - 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](#)

**LMX1B Antibody (internal region) - Images****LMX1B Antibody (internal region) - References**

Central serotonergic neurons are differentially required for opioid analgesia but not for morphine tolerance or morphine reward. Zhao ZQ, Gao YJ, Sun YG, Zhao CS, Gereau RW 4th, Chen ZF. Proc Natl Acad Sci U S A. 2007 Sep 4;104(36):14519-24. Epub 2007 Aug 27. PMID: 17724336