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LMX1B Antibody (CT)

Rabbit Polyclonal Antibody
Catalog # ABV10905

Specification

LMX1B Antibody (CT) - Product Information

Application	**WB, E**
Primary Accession	O60663
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG1**
Calculated MW	**44917**

LMX1B Antibody (CT) - Additional Information

Gene ID 4010

Positive Control	**Western Blot:A-20 cell lysate**
Application & Usage	**Western Blot: 1 - 2 µg/ml, ELISA. However, the optimal conditions should be determined individually.**

Other Names
LIM homeobox transcription factor 1 beta, LIM/homeobox protein LMX1B, LIM/homeobox protein 1.2

Target/Specificity
LMX1B

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (1 mg/ml) in 1X PBS containing 1 mg/ml BSA, 50% glycerol and less than 0.02% sodium azide, pH 7.4.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
LMX1B Antibody (CT) is for research use only and not for use in diagnostic or therapeutic

procedures.

LMX1B Antibody (CT) - Protein Information

Name LMX1B

Function
Transcription factor involved in the regulation of podocyte- expressed genes (PubMed:24042019, PubMed: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 (CT) - 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

LMX1B Antibody (CT) - Images

LMX1B Antibody (CT) - Background

The LIM homeobox transcription factor 1B (LMX1B) belongs to the LIM-homeodomain family. Members of this family are known to be important for pattern formation during development. LMX1B regulates mid-hindbrain patterning; LMX1B-null mice embryos have a severe reduction in the number of midbrain dopaminergic neurons compared to wild-type. While LMX1B appears to be important for both the development and the survival of dopamine neurons, the related LMX1A is crucial for the differentiation of these cells. However, LMX1A and LMX1B function cooperatively to regulated the proliferation, specification and differentiation of midbrain dopaminergic neuronal progenitors