

Rabbit LMX1B Polyclonal Antibody | anti-LMX1B antibody

LMX1B Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288687	Rabbit	Human, mouse (Predicted Reactivity: Chicken, Xenopus)	Immunohistochemistry, ELISA, Western Blot

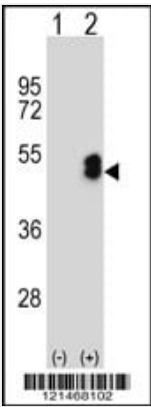
PRODUCT SYNONYMS

LMX1B; Polyclonal Antibody; LMX1B Antibody (Center); LIM homeobox transcription factor 1-beta; LIM/homeobox protein 12; LMX-12; LIM/homeobox protein LMX1B; anti-LMX1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Chicken, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LMX1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 175-202 amino acids from the Central region of human LMX1B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	175-202
Sequence Length	402
Applicable Applications for anti-LMX1B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

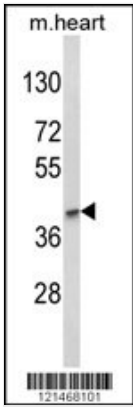
IMAGES



WB (Western Blot)
Western blot analysis of LMX1B (arrow) using rabbit polyclonal LMX1B Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the LMX1B gene.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with LMX1B Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of LMX1B Antibody (Center) in mouse heart tissue lysates (35ug/lane). LMX1B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-LMX1B antibody	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.
Product Categories/Family for anti-LMX1B antibody	Neuroscience
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	292494915
NCBI GeneID	4010
NCBI Accession #	NP_001167618.1; NP_002307.2
NCBI GenBank Nucleotide #	NM_001174147.1
UniProt Accession #	O60663; O75463; Q5JU95; Q6ISC9; F8W7W6

Molecular Weight	44917
NCBI Official Full Name	LIM homeobox transcription factor 1-beta isoform 2
NCBI Official Synonym Full Names	LIM homeobox transcription factor 1, beta
NCBI Official Symbol	LMX1B
NCBI Official Synonym Symbols	NPS1; LMX1.2
NCBI Protein Information	LIM homeobox transcription factor 1-beta
UniProt Protein Name	LIM homeobox transcription factor 1-beta
UniProt Gene Name	LMX1B
UniProt Synonym Gene Names	LMX-1.2
UniProt Entry Name	LMX1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lmx1b-antibody-immunohistochemistry-western-blot-elisa/288687>