

Rabbit LMX1B Polyclonal Antibody | anti-LMX1B antibody

LMX1B Antibody

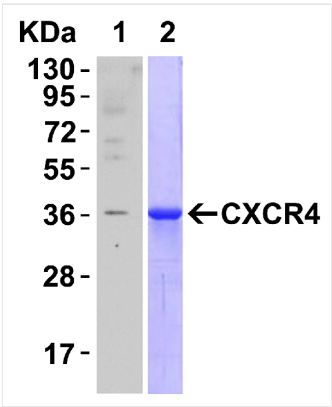
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40768	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

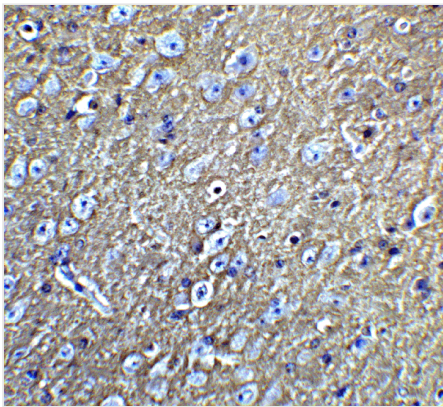
LMX1B; Polyclonal Antibody; LMX1B Antibody; NPS1; LMX1.2; LIM homeobox transcription factor 1-beta; LIM homeobox transcription factor 1; beta; anti-LMX1B antibody

PRODUCT SPECIFICATIONS

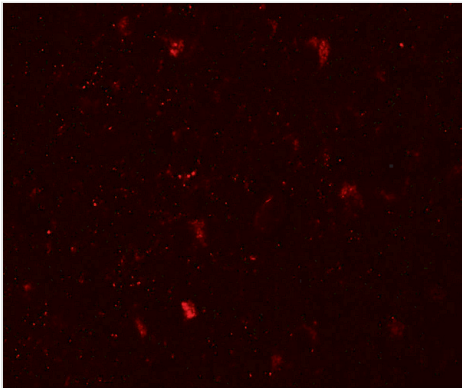
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms are known to exist. This antibody is predicted to not cross-react with LMX1A.
Purity/Purification	LMX1B Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	406
Applicable Applications for anti-LMX1B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal LMX1B antibody was raised against a 17 amino acid peptide near the carboxy terminus of human LMX1B.
Buffer	LMX1B Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LMX1B antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



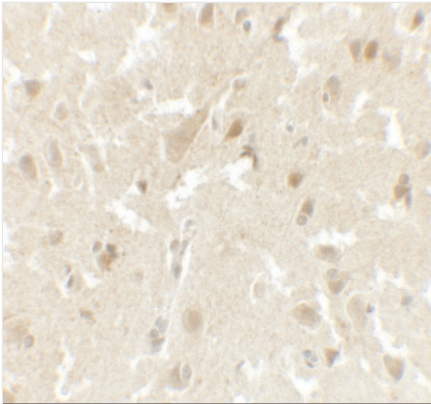
IF (Immunofluorescence)
Immunofluorescence of LMX1B in mouse brain tissue with LMX1B Antibody at 20 µg/mL. Green: LMX1B antibody (7089) Red: Phylloidin staining Blue: DAPI staining



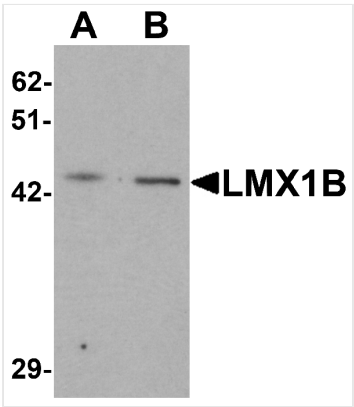
IHC (Immunohistochemistry)
Immunohistochemistry of LMX1B in mouse brain tissue with LMX1B Antibody at 5 µg/mL.



IF (Immunofluorescence)
Immunofluorescence of LMX1B in human brain tissue with LMX1B antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of LMX1B in human brain tissue with LMX1B antibody at 5 µg/mL.



WB (Western Blot)
Western blot analysis of LMX1B in A-20 cell lysate with LMX1B antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-LMX1B antibody	LMX1B Antibody: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	292494913
NCBI GeneID	4010
NCBI Accession #	NP_001167617
NCBI GenBank Nucleotide #	NM_001174146.1
UniProt Accession #	O60663; O75463; Q5JU95; Q6ISC9; F8W7W6
Molecular Weight	45 kDa
NCBI Official Full Name	LIM homeobox transcription factor 1-beta isoform 3
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; LMX-1.2; LIM/homeobox protein 1.2; LIM/homeobox protein LMX1B
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-immunofluorescence-immunohistochemistry-western-blot-elisa/40768>