

LMX1B Polyclonal Antibody

Catalog NumberPA5-34471

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	1-2 µg/mL
Immunogen	A 17 amino acid peptide near the carboxy terminus of human LMX1B	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is A-20 cell lysate. PA5-34471 can be used with blocking peptide PEP-1513.

Background/Target Information

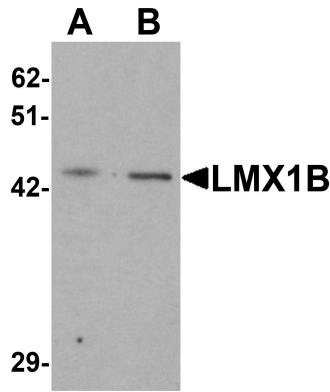
LMX1B, LIM homeobox transcription factor 1B, belongs to the LIM-homeodomain family. Members of this family are known to be important for pattern formation during development. LMX1B regulates mid-hindbrain patterning LMX1B-null mice embryos have a severe reduction in the number of midbrain dopaminergic 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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LMX1B Antibody (PA5-34471) in WB
Western Blot analysis of LMX1B in A-20 cell lysate with LMX1B Polyclonal Antibody (Product # PA5-34471) at (A) 1 and (B) 2 µg/mL.

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