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Datasheet for ABIN6991775
anti-LMX1A antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	LMX1A
Binding Specificity:	AA 300-350, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LMX1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Rabbit polyclonal LMX1A antibody was raised against a 16 amino acid peptide near the carboxy terminus of human LMX1A. The immunogen is located within amino acids 300 - 350 of LMX1A.
Isotype:	IgG
Specificity:	At least two isoforms are known to exist. This antibody is predicted to not cross-react with LMX1B.
Purification:	LMX1A Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LMX1A
Alternative Name:	LMX1A (LMX1A Products)

Target Details

Background:	LMX1A Antibody: The LIM homeobox transcription factor 1 (LMX1A) belongs to the LIM-homeodomain family. Members of this family are known to be important for pattern formation during development. LMX1A binds an A/T-rich sequence and functions in the nucleus as a transcriptional activator to the insulin gene promoter. In the developing embryo, LMX1A is expressed along the neuraxis and leads to the development of the roof plate of the vertebrae. While LMX1A is crucial for the differentiation of dopamine neurons, the related LMX1B appears to be important for both the development and the survival of these cells. It has been suggested that LMX1A might be a useful biomarker or risk factor in tumor aggressiveness.
Molecular Weight:	42 kDa
Gene ID:	4009
NCBI Accession:	NP_796372
UniProt:	Q8TE12
Pathways:	Dopaminergic Neurogenesis

Application Details

Application Notes:	LMX1A antibody can be used for detection of LMX1A by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in rat samples, Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LMX1A Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C, 4 °C
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Storage Comment:	LMX1A antibody can be stored at 4°C for three months and -20°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.
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