Datasheet for ABIN652882

anti-LMX1B antibody (AA 175-202)

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Overview

Quantity:	400 µL
Target:	LMX1B
Binding Specificity:	AA 175-202
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LMX1B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB21468
Isotype:	Ig Fraction
Predicted Reactivity:	C, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	LMX1B
Alternative Name:	LMX1B (LMX1B Products)

Target Details

Background:	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.
Molecular Weight:	44917
Gene ID:	4010
NCBI Accession:	NP_001167618, NP_002307
UniProt:	O60663
Pathways:	Dopaminergic Neurogenesis

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

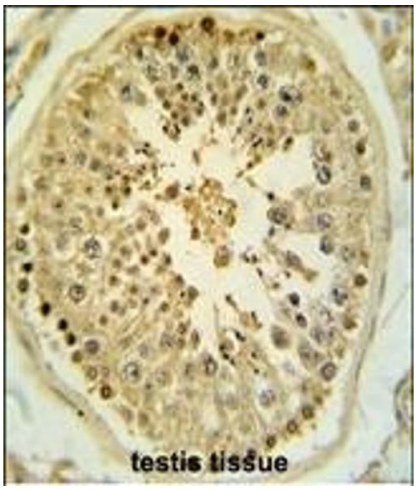
Publications

Product cited in:	Gehrke, Wörns, Huber, Hess, Straub, Hövelmeyer, Waisman, Kim, Schuppan, Galle, Schattenberg : "Hepatic B cell leukemia-3 promotes hepatic steatosis and inflammation through insulin-

Publications

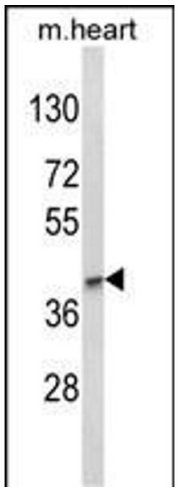
sensitive metabolic transcription factors." in: **Journal of hepatology**, Vol. 65, Issue 6, pp. 1188-1197, (2018) (PubMed).

Images



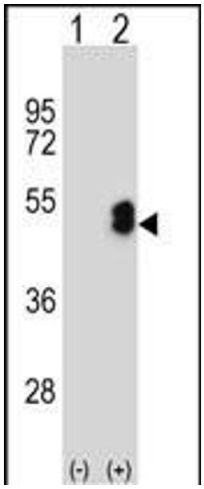
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. Western blot analysis of LMX1B Antibody (Center) (ABIN652882 and ABIN2842570) in mouse heart tissue lysates (35 µg/lane). LMX1B (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of LMX1B (arrow) using rabbit polyclonal LMX1B Antibody (Center) (ABIN652882 and ABIN2842570). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the LMX1B gene.