

Product Name: LMX1B Rabbit Polyclonal Antibody
Catalog #: APRab13365



Summary

Production Name	LMX1B Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	LMX1B
Alternative Names	LMX1B; LIM homeobox transcription factor 1-beta; LIM/homeobox protein 1.2; LMX-1.2; LIM/homeobox protein LMX1B
Gene ID	4010.0
SwissProt ID	O60663. The antiserum was produced against synthesized peptide derived from human LMX1B. AA range:126-175

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:40000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	40kDa

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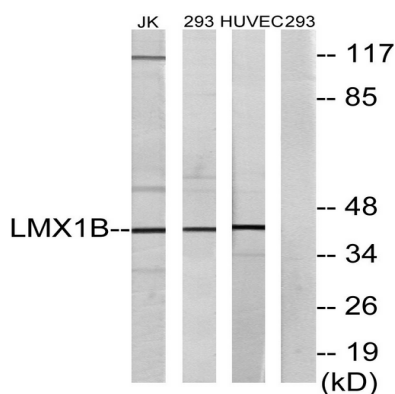


Background

LIM homeobox transcription factor 1 beta (LMX1B) Homo sapiens This gene encodes a member of LIM-homeodomain family of proteins containing two N-terminal zinc-binding LIM domains, 1 homeodomain, and a C-terminal glutamine-rich domain. It functions as a transcription factor, and is essential for the normal development of dorsal limb structures, the glomerular basement membrane, the anterior segment of the eye, and dopaminergic and serotonergic neurons. Mutations in this gene are associated with nail-patella syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010], disease: Defects in LMX1B are the cause of nail-patella syndrome (NPS) [MIM:161200]; also known as Onychoosteodysplasia. NPS is a disease that causes abnormal skeletal patterning and renal dysplasia., function: Essential for the specification of dorsal limb fate at both the zeugopodal and autopodal levels., similarity: Contains 1 homeobox DNA-binding domain., similarity: Contains 1 LIM zinc-binding domain., similarity: Contains 2 LIM zinc-binding domains., tissue specificity: Expressed in most tissues. Highest levels in testis, thyroid, duodenum, skeletal muscle, and pancreatic islets.,

Research Area

Image Data



Western blot analysis of lysates from Jurkat, 293, and HUVEC cells, using LMX1B Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.