





## LMX1B Monoclonal Antibody

Catalog No	YP-mAb-15776
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	LMX1B
Protein Name	LIM homeobox transcription factor 1-beta
Immunogen	The antiserum was produced against synthesized peptide derived from human LMX1B. AA range:126-175
Specificity	LMX1B Monoclonal Antibody detects endogenous levels of LMX1B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LMX1B; LIM homeobox transcription factor 1-beta; LIM/homeobox protein 1.2; LMX-1.2; LIM/homeobox protein LMX1B
Observed Band	40kD
Cell Pathway	Nucleus .
Tissue Specificity	Expressed in most tissues. Highest levels in testis, thyroid, duodenum, skeletal muscle, and pancreatic islets.
Function	disease:Defects in LMX1B are the cause of nail-patella syndrome (NPS) [MIM:161200]; also knowan as Onychoosteodysplasia. NPS is a disease that cause 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.,
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



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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],

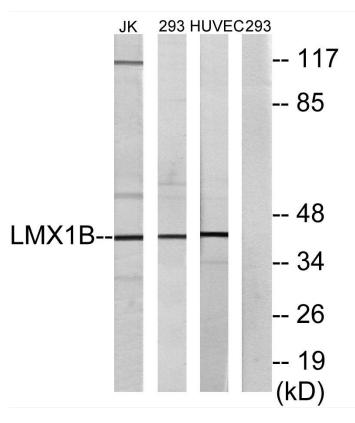
matters needing attention

Avoid repeated freezing and thawing!

**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using LMX1B Monoclonal Antibody