




Product datasheet

Anti-LMX1b antibody ab66941

★★★★☆ 2 Abreviews 1 References 1 Image

Overview

<b>Product name</b>	Anti-LMX1b antibody
<b>Description</b>	Rabbit polyclonal to LMX1b
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-Fr
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Dog, Human, Zebrafish <b>Predicted to work with:</b> Rabbit, Horse, Chicken, Guinea pig, Cow, Cat 
<b>Immunogen</b>	Synthetic peptide within Human LMX1b aa 324-380 (C terminal). The exact sequence is proprietary. Sequence: QSPYGSSDPFQQGLTPPQMPGNDSIFHDIDSDTSLTSL SDCFLGSSDVGS  Database link: <a href="#">O60663</a>   <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Skeletal Muscle (Human) Whole Cell Lysate - fetal normal tissue ( <a href="#">ab29331</a> ) can be used as a positive control in WB.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab66941** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 2.5 µg/ml. Predicted molecular weight: 41 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
IHC-Fr	★ ★ ★ ☆ ☆	Use at an assay dependent concentration.

## Target

**Function** Essential for the specification of dorsal limb fate at both the zeugopodal and autopodal levels.

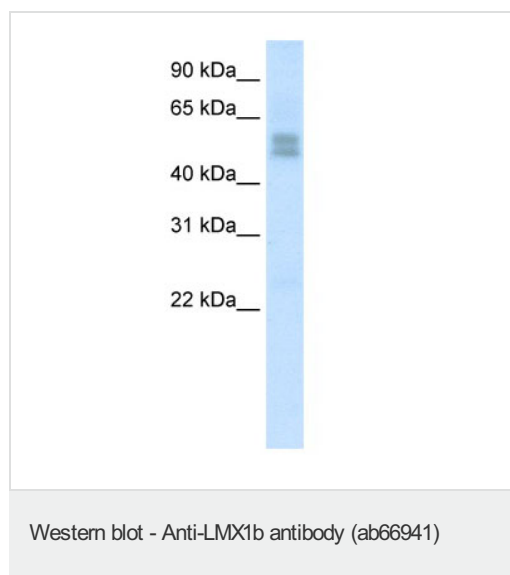
**Tissue specificity** Expressed in most tissues. Highest levels in testis, thyroid, duodenum, skeletal muscle, and pancreatic islets.

**Involvement in disease** Defects in LMX1B are the cause of nail-patella syndrome (NPS) [MIM:161200]; also known as onychoosteodysplasia. NPS is a disease that cause abnormal skeletal patterning and renal dysplasia.

**Sequence similarities** Contains 1 homeobox DNA-binding domain.  
Contains 2 LIM zinc-binding domains.

**Cellular localization** Nucleus.

## Images



Ab66941 (2.5 ug/ml) staining of LMX1b in fetal muscle lysate by WB.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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