

# DLX4 Polyclonal antibody

Catalog Number: 12084-1-AP

## Basic Information

<b>Catalog Number:</b> 12084-1-AP	<b>GenBank Accession Number:</b> BC016145	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1748	
<b>Source:</b> Rabbit	<b>Full Name:</b> distal-less homeobox 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 240 aa, 26 kDa	
<b>Immunogen Catalog Number:</b> AG2716	<b>Observed MW:</b> 38 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

Globin genes' expression in the  $\beta$ -globin cluster is restricted to erythroid cells, with five different genes expressed during embryonic (e), fetal (G $\gamma$  and A $\gamma$ ), and adult ( $\delta$  and  $\beta$ ) development [PMID:9461381]. Transcriptional activation of globin genes occurs not only by the binding of transcriptional activator proteins to the promoter of the gene being activated but also by a regulatory element located 6 to 18 kb upstream of the  $\beta$ -globin cluster, the locus control region (LCR) [PMID:8791532]. DXL4, also known as BP1, binds to two silencer DNA sequences upstream of the adult human  $\beta$ -globin gene and to a negative control region upstream of the adult  $\delta$ -globin gene [PMID:11909945].

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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