LHX6 Polyclonal antibody

Catalog Number:21516-1-AP

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Basic Information

Catalog Number:
21516-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG16047

GenBank Accession Number:
BC103937

GeneID (NCBI):
26468

UNIPROT ID:
Q9UPM6

Full Name:
LIM homeobox 6

Calculated MW:
392 aa, 43 kDa

Observed MW:
40 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Positive Controls:
WB : HepG2 cells,

Background Information

LHX6 is a LIM homeodomain protein similar in structure to ISL-1. LHX6, like ISL-1, contains tandem LIM domains and a homeodomain that regulate its activity both in cis and through interaction with cell-specific factors. LHX6 is highly expressed in the neural crest-derived mesenchyme throughout odontogenesis and down-regulated after birth. However, LHX6 is also expressed in the palate, oral, and dental epithelium during craniofacial development. LHX6 regulates the migration and specification of neuron subtypes and marks specific neurons. The molecular weight of Endogenous LHX6 is 40 kDa, but the LHX6-PITX2 protein complex is 56 kDa (PMID: 23229549).

Notable Publications

Author	Pubmed ID	Journal	Application
You Yu	31562861	Exp Cell Res	WB
Shuang Shi	34729246	Mol Ther Nucleic Acids	WB

Storage

Storage:
Store at -20℃. 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
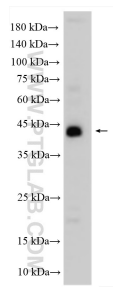
*** 20ul sizes contain 0.1% BSA

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 21516-1-AP (LHX6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.