

# HOXB1 Polyclonal antibody

Catalog Number: 21653-1-AP

## Basic Information

**Catalog Number:**

21653-1-AP

**Size:**

240 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16366

**GenBank Accession Number:**

BC096192

**GeneID (NCBI):**

3211

**UNIPROT ID:**

P14653

**Full Name:**

homeobox B1

**Calculated MW:**

235 aa, 26 kDa

**Observed MW:**

41-44 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

WB : mouse brain tissue, NIH/3T3 cells

## Background Information

HOXB1, also named as HOX2I, belongs to the Antp homeobox family and the Labial subfamily. HOXB1 is sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. HOXB1 acts on the anterior body structures. Establishment of the spatial colinearity in the embryo is directly controlled by the Hox genes themselves. 21653-1-AP is a rabbit polyclonal antibody raised against residues near the N-terminus of human HOXB1.

## Storage

**Storage:**

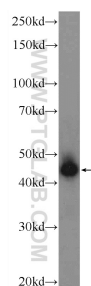
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 21653-1-AP (HOXB1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.