

Datasheet for ABIN562872  
**anti-SHOX2 antibody (AA 117-204)**

## 5 Images

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | SHOX2   |
| Binding Specificity: | AA 117-204  |
| Reactivity:          | Human   |
| Host:                | Mouse   |
| Clonality:           | Monoclonal  |
| Conjugate:           | This SHOX2 antibody is un-conjugated                  |
| Application:         | Western Blotting (WB), ELISA, RNA Interference (RNAi) |

## Product Details

|                   |  |
|-------------------|--|
| Purpose:          | Mouse monoclonal antibody raised against a partial recombinant SHOX2.  |
| Immunogen:        | SHOX2 (NP_006875, 117 a.a. ~ 204 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence:         | SPELKDRKDD AKGMEDEGQT KIKQRRSRTN FTLEQLNELE RLFDETHYPD AFMREELSQR<br>LGLSEARVQV WFQNRRRAKCR KQENQLHK               |
| Clone:            | 1D1  |
| Isotype:          | IgG2a  |
| Cross-Reactivity: | Human, Mouse, Rat  |
| Characteristics:  | Antibody Reactive Against Recombinant Protein.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | SHOX2  |
| Alternative Name: | SHOX2 ( <a href="#">SHOX2 Products</a> )   |
| Background:       | Full Gene Name: short stature homeobox 2<br>Synonyms: OG12,OG12X,OGI2X,SHOT                  |
| Gene ID:          | 6474   |
| NCBI Accession:   | <a href="#">NM_006884</a>  |
| Pathways:         | <a href="#">Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development</a> |

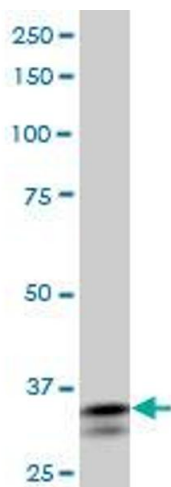
## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

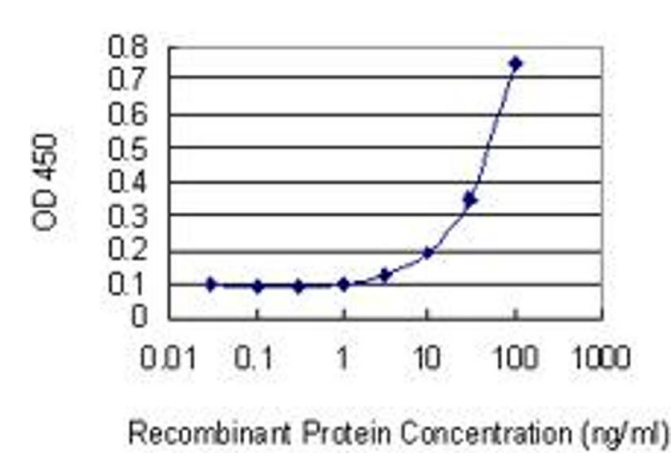
|                  |  |
|------------------|--|
| Buffer:          | In 1x PBS, pH 7.4  |
| Handling Advice: | Aliquot to avoid repeated freezing and thawing.                          |
| Storage:         | -20 °C   |
| Storage Comment: | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Images



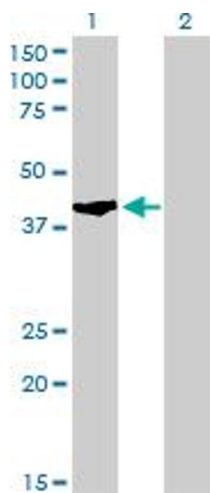
**Western Blotting**

**Image 1.** SHOX2 monoclonal antibody (M01), clone 1D1  
Western Blot analysis of SHOX2 expression in PC-12 .



#### ELISA

**Image 2.** Detection limit for recombinant GST tagged SHOX2 is 1 ng/ml as a capture antibody.



#### Western Blotting

**Image 3.** Western Blot analysis of SHOX2 expression in transfected 293T cell line by SHOX2 monoclonal antibody (M01), clone 1D1.

Lane 1: SHOX2 transfected lysate(37.6 kDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN562872.