

Datasheet for ABIN954128

**anti-PHOX2B antibody (Middle Region)**[Go to Product page](#)**1** Image

## Overview

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Quantity:            | 0.4 mL                                          |
| Target:              | PHOX2B                                          |
| Binding Specificity: | AA 111-138, Middle Region                       |
| Reactivity:          | Mouse, Human                                    |
| Host:                | Rabbit                                          |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This PHOX2B antibody is un-conjugated           |
| Application:         | Western Blotting (WB), Enzyme Immunoassay (EIA) |

## Product Details

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| Immunogen:                  | Synthetic peptide - KLH conjugated - corresponding to the central region (between 111-138) of Human PHOX2B. |
| Isotype:                    | Ig Fraction                                                                                                 |
| Specificity:                | This antibody recognizes PHOX2B (Center).                                                                   |
| Cross-Reactivity (Details): | Species reactivity (tested): Human, Mouse.                                                                  |
| Purification:               | Affinity Chromatography on Protein A                                                                        |

## Target Details

|                   |                                            |
|-------------------|--------------------------------------------|
| Target:           | PHOX2B                                     |
| Alternative Name: | PHOX2B ( <a href="#">PHOX2B Products</a> ) |

## Target Details

**Background:** The DNA-associated protein encoded by the PHOX2B gene is a member of the paired family of homeobox proteins localized to the nucleus. The protein functions as a transcription factor involved in the development of several major noradrenergic neuron populations and the determination of neurotransmitter phenotype. The gene product is linked to enhancement of second messenger-mediated activation of the dopamine beta-hydroxylase, c-fos promoters and several enhancers, including cyclic amp-response element and serum-response element. Synonyms: NBPhox, Neuroblastoma Phox, PHOX2B homeodomain protein, PMX2B, Paired mesoderm homeobox protein 2B, Paired-like homeobox 2B

**Gene ID:** 8929

**NCBI Accession:** [NP\\_003915](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS, 0.09 % Sodium azide

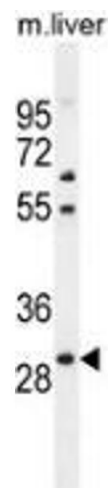
**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freezing and thawing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

**Image 1.** Western blot analysis in mouse liver tissue lysates (35ug/lane) using PHOX2B Antibody . This demonstrates the PHOX2B antibody detected the PHOX2B protein (arrow).