

# [KD Validated]PHOX2B Rabbit pAb

Catalog No.: A21990

## Basic Information

### Observed MW

37kDa

### Calculated MW

32kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse

## Background

The DNA-associated protein encoded by this 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. Expansion of a 20 amino acid polyalanine tract in this protein by 5-13 aa has been associated with congenital central hypoventilation syndrome.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

8929

### Swiss Prot

Q99453

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 260-314 of human PHOX2B (NP\_003915.2).

### Synonyms

CCHS; PMX2B; NBLST2; NBPhox; PHOX2B

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

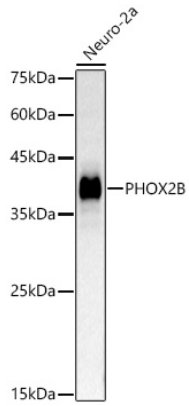
Affinity purification

### Storage

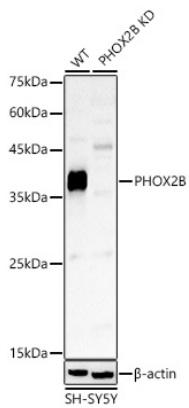
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from Neuro-2a cells using [KD Validated]PHOX2B Rabbit pAb(A21990) at 1:1000 dilution.  
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection:ECL Basic Kit (RM00020).  
Exposure time:10s.



Western blot analysis of lysates from wild type (WT) and PHOX2B knockdown (KD) SH-SY5Y cells using [KD Validated]PHOX2B Rabbit pAb(A21990) at 1:1000 dilution.  
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection:ECL Basic Kit (RM00020).  
Exposure time: 10s.