

**PHOX2B Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11341c****Specification**

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**PHOX2B Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q99453](#)**PHOX2B Antibody (Center) Blocking peptide - Additional Information****Gene ID** 8929**Other Names**

Paired mesoderm homeobox protein 2B, Neuroblastoma Phox, NBPhox, PHOX2B homeodomain protein, Paired-like homeobox 2B, PHOX2B, PMX2B

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PHOX2B Antibody (Center) Blocking peptide - Protein Information****Name** PHOX2B**Synonyms** PMX2B**Function**

Involved in the development of several major noradrenergic neuron populations, including the locus coeruleus. Transcription factor which could determine a neurotransmitter phenotype in vertebrates. Enhances second-messenger-mediated activation of the dopamine beta- hydrolase and c-fos promoters, and of several enhancers including cAMP- response element and serum-response element.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

**Tissue Location**

Expressed in neuroblastoma, brain and adrenal gland

**PHOX2B Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **PHOX2B Antibody (Center) Blocking peptide - Images**

#### **PHOX2B Antibody (Center) Blocking peptide - 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. [provided by RefSeq].

#### **PHOX2B Antibody (Center) Blocking peptide - References**

Rudzinski, E., et al. *Pediatr. Dev. Pathol.* 13(4):291-299(2010) Janoueix-Lerosey, I., et al. *Oncogene* 29(11):1566-1579(2010) Tu, E., et al. *Hum. Pathol.* 41(3):392-400(2010) Arai, H., et al. *J. Hum. Genet.* 55(1):4-7(2010) Dubreuil, V., et al. *J. Neurosci.* 29(47):14836-14846(2009)