



# PHOX2B blocking peptide (CDBP5910)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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, Jul 2008]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PHOX2B paired-like homeobox 2b [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PHOX2B
<b>Synonyms</b>	PHOX2B; paired-like homeobox 2b; PMX2B; NBLST2; NBPhox; paired mesoderm homeobox protein 2B; neuroblastoma Phox; PHOX2B homeodomain protein; paired mesoderm homeobox 2b; neuroblastoma paired-type homeobox protein

<b>Entrez Gene ID</b>	<a href="#">8929</a>
<b>mRNA Refseq</b>	<a href="#">NM_003924</a>
<b>Protein Refseq</b>	<a href="#">NP_003915</a>
<b>UniProt ID</b>	Q99453
<b>Pathway</b>	Neural Crest Differentiation; SIDS Susceptibility Pathways
<b>Function</b>	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II regulatory region sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity