



Human PHOX2B blocking peptide (CDBP2292)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PHOX2B antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PHOX2B paired-like homeobox 2b [Homo sapiens (human)]
Official Symbol	PHOX2B
Synonyms	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;

Entrez Gene ID	8929
mRNA Refseq	NM_003924.3
Protein Refseq	NP_003915.2
UniProt ID	Q99453
Chromosome Location	4p12
Pathway	Neural Crest Differentiation, organism-specific biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;
Function	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;