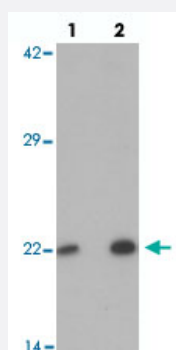


PHOX2B polyclonal antibody

Catalog # PAB27175 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of PHOX2B in 293 cell lysate with PHOX2B polyclonal antibody (Cat # PAB27175) at (lane 1) 1 and (lane 2) 2 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PHOX2B.
Immunogen	A synthetic peptide corresponding to 15 amino acids at internal region of human PHOX2B.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	PHOX2B antibody is predicted to not cross-react with other paired homeobox family members.
Form	Liquid
Purification	Peptide affinity purification
Concentration	1 mg/mL
Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)

Storage Instruction

Store at 4°C for three months. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Western Blot (Cell lysate)

Western blot analysis of PHOX2B in 293 cell lysate with PHOX2B polyclonal antibody (Cat # PAB27175) at (lane 1) 1 and (lane 2) 2 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PHOX2B

Entrez GeneID[8929](#)**Protein Accession#**[NP_003915](#)**Gene Name**

PHOX2B

Gene Alias

NBPhox, PMX2B

Gene Description

paired-like homeobox 2b

Omim ID[142623](#) [209880](#) [256700](#) [603851](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

PHOX2B homeodomain protein|neuroblastoma paired-type homeobox protein|paired mesoderm homeobox 2b

Disease

- [Abnormalities](#)

- [Autonomic Nervous System Diseases](#)
- [Bipolar Disorder](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Hirschsprung Disease](#)
- [Hypoglycemia](#)
- [Hypoventilation](#)
- [Ileal Diseases](#)
- [Nervous System Neoplasms](#)
- [Neuroblastoma](#)
- [Parkinson disease](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Sudden Infant Death](#)
- [Syndrome](#)