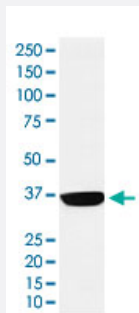


PHOX2B monoclonal antibody, clone AEFG-16

Catalog # MAB22202 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of Neuro-2a cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic protein of human PHOX2B.
Immunogen	A synthetic peptide corresponding to human PHOX2B.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody reacts with human, mouse PHOX2B, in native form and recombinant. Superfamily members of PHOX2B are not reactive to antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C. 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 (cell lysate) analysis of Neuro-2a cell lysate.

Gene Info — PHOX2B

Entrez GeneID[8929](#)**Protein Accession#**[Q99453](#)**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](#)