10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PHOX2B Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10710

Specification

PHOX2B Antibody - Product Information

Application	**WB, E**
Primary Accession	Q99453
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**31621**

PHOX2B Antibody - Additional Information

Gene ID 8929

Positive Control	**Mouse liver tissue lysates**
Application & Usage	**The antibody can be used for ELISA (1:1,000) and Western blotting (1: 100~500).**

Other Names
Neuroblastoma Phox, NBPhox

Target/Specificity
PHOX2B

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
Supplied in PBS with 0.09% (W/V) sodium azide at a concentration of 0.25 mg/ml. This antibody is purified thro µgh a protein A column, followed by peptide affinity purification.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
PHOX2B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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PHOX2B Antibody - 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 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PHOX2B Antibody - Images

PHOX2B Antibody - Background

This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mice is required for proper brain and sensory organ development and can cause epilepsy.