

PHOX2B Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2868a

Specification

PHOX2B Antibody (internal region) - Product Information

Application	E
Primary Accession	O99453
Other Accession	NP_003915.2 , 8929 , 18935 (mouse)
Predicted	Human, Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	31621

PHOX2B Antibody (internal region) - Additional Information

Gene ID 8929

Other Names

Paired mesoderm homeobox protein 2B, Neuroblastoma Phox, NBPhox, PHOX2B homeodomain protein, Paired-like homeobox 2B, PHOX2B, PMX2B

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PHOX2B Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PHOX2B Antibody (internal region) - 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 (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PHOX2B Antibody (internal region) - Images**PHOX2B Antibody (internal region) - References**

Metrics of sequence constraint overlook regulatory sequences in an exhaustive analysis at phox2b. McGaughey DM, Vinton RM, Huynh J, Al-Saif A, Beer MA, McCallion AS. Genome Res. 2008 Feb;18(2):252-60. Epub 2007 Dec 10. PMID: 18071029