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Datasheet for ABIN7269159
anti-PHOX2B antibody

1 Image

Overview

Quantity:	100 µL
Target:	PHOX2B
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PHOX2B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	PHOX2B Rabbit mAb
Immunogen:	A synthesized peptide derived from human PHOX2B
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PHOX2B
Alternative Name:	PHOX2B (PHOX2B Products)
Background:	The DNA-associated protein encoded by this gene is a member of the paired family of

Target Details

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. Expansion of a 20 amino acid polyalanine tract in this protein by 5-13 aa has been associated with congenital central hypoventilation syndrome. [provided by RefSeq, Jul 2016],NBLST2, NBPhox, PMX2B,Epigenetics & Nuclear Signaling,Neuroscience,Signal Transduction,Transcription Factors,PHOX2B

Molecular Weight: 35kDa

Gene ID: 8929

UniProt: [Q99453](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

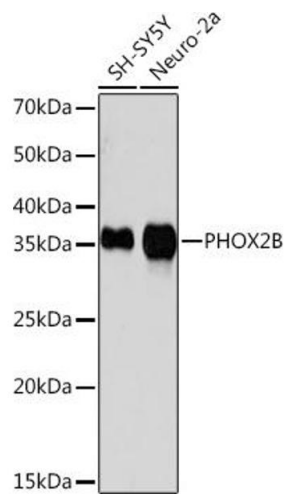
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PHOX2B Rabbit mAb (ABIN7269159) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.