

PHX2B Rabbit pAb

CatalogNo: YN1025

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 34kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**ELISA 1:5000-20000**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human protein . at AA range: 140-220

Specificity

PHX2B Polyclonal Antibody detects endogenous levels of protein.

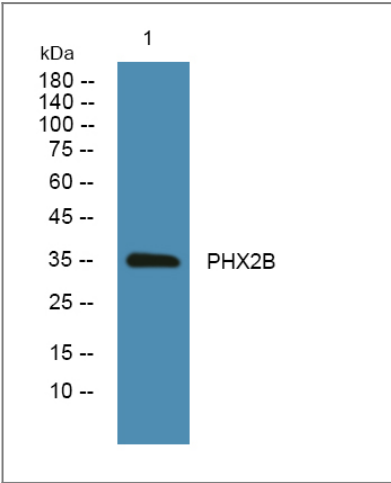
Target Information

Gene name

PHOX2B PMX2B

Protein Name	Paired mesoderm homeobox protein 2B (Neuroblastoma Phox) (NBPhox) (PHOX2B homeodomain protein) (Paired-like homeobox 2B)		
	Organism	Gene ID	UniProt ID
	Human	8929;	Q99453;
	Mouse		O35690;
Cellular Localization	Nucleus .		
Tissue specificity	Expressed in neuroblastoma, brain and adrenal gland.		
Function	<p>Disease:Defects in PHOX2B are a cause of congenital central hypoventilation syndrome (CCHS) [MIM:209880]; also known as congenital failure of autonomic control or Ondine curse. Most mutations consist of 5-10 alanine expansions in the poly-Ala region from amino acids 241-260. CCHS is a rare disorder characterized by abnormal control of respiration in the absence of neuromuscular or lung disease, or an identifiable brain stem lesion. A deficiency in autonomic control of respiration results in inadequate or negligible ventilatory and arousal responses to hypercapnia and hypoxemia. CCHS is frequently complicated with neurocristopathies such as Hirschsprung disease that occurs in about 16% of CCHS cases.,Disease:Defects in PHOX2B predispose to hereditary neuroblastoma (NB) [MIM:256700]. NB is a tumor of the sympathetic nervous system that account for about 10% of all cancers in childhood. Germline mutations of predisposing gene(s) are suspected on the basis of rare familial cases and the association of NB with other genetically determined congenital malformations of neural crest-derived cells-namely, Hirschsprung disease (HSCR) and/or congenital central hypoventilation syndrome (CCHS).,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.,similarity:Belongs to the paired homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Expressed in neuroblastoma, brain and adrenal gland.,</p>		

| Validation Data



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
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product information:
PHX2B Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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