BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PHOX2B Antibody

Catalog Number: A02221

About PHOX2B

PHOX2A and PHOX2B (Paired mesoderm homeobox protein) are closely related, paired-homeodomain transcription factors that function as determinants of the noradrenergic phenotype during embryogenesis. PHOX2 proteins are crucial for the regulation of endogenous hydroxylases in neural crest cells and promote sympathetic neuron generation. Human PHOX2B contains one DNA binding homeobox domain and is required for the differentiation of all central and nonperipheral noradrenergic centers in the brain. In contrast, PHOX2A controls only the differentiation of the main noradrenergic center of the brain. Regulation of PHOX2 may have therapeutic utility in aging or disorders involving degeneration of noradrenergic neurons.

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Overview

Product Name	Anti-PHOX2B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PHOX2B Antibody (Catalog # A02221). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	PHOX2B Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	PHOX2B antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q99453

Technical Details

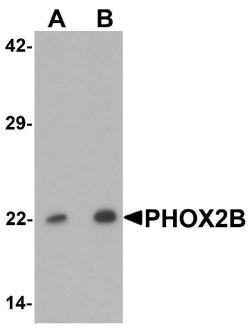
Immunogen	PHOX2B antibody was raised against a 15 amino acid synthetic peptide near the center of human PHOX2B. The immunogen is located within amino acids 130 - 180 of PHOX2B.
Predicted Reactive Species	Bovine, Chicken

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Cross Reactivity	PHOX2B antibody is predicted to not cross-react with other paired homeobox family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PHOX2B Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PHOX2B antibody can be used for detection of PHOX2B by Western blot at 1 - 2 ug/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-PHOX2B Antibody (A02221) Images



Western blot analysis of PHOX2B in 293 cell lysate with PHOX2B antibody at (A) 1 and (B) 2 ug/mL.

Anti-PHOX2B Antibody

For Research Use Only. Not for use in diagnostic procedures.