

Datasheet for ABIN6991707

anti-PHOX2B antibody (AA 130-180)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	PHOX2B
Binding Specificity:	AA 130-180
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHOX2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product 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.
Isotype:	IgG
Specificity:	PHOX2B antibody is predicted to not cross-react with other paired homeobox family members.
Purification:	PHOX2B Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PHOX2B
Alternative Name:	PHOX2B (PHOX2B Products)
Background:	PHOX2B Antibody: PHOX2A and PHOX2B (Paired mesoderm homeobox protein) are closely

Target Details

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.

Gene ID:	8929
NCBI Accession:	NP_003915
UniProt:	Q99453

Application Details

Application Notes:	PHOX2B antibody can be used for detection of PHOX2B by Western blot at 1 - 2 µg/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PHOX2B Antibody is supplied in PBS containing 0.02 % sodium azide.
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, 4 °C
Storage Comment:	PHOX2B antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.