

Datasheet for ABIN1450171

anti-PHOX2B antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	PHOX2B
Binding Specificity:	Middle Region
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHOX2B antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid synthetic peptide near the center of Human PHOX2B
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	PHOX2B
Alternative Name:	PHOX2B (PHOX2B Products)
Background:	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

Target Details

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

Gene ID: 8929

NCBI Accession: [NP_003915](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

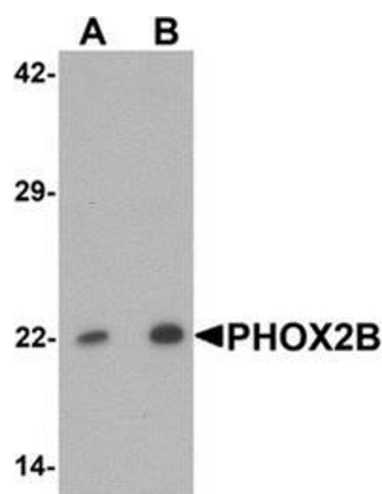
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

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