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Datasheet for ABIN1449933 anti-PHOX2A antibody (C-Term)

2 Images



Overview

Quantity:	0.1 mg
Target:	PHOX2A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHOX2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	16 amino acid synthetic peptide near the carboxy terminus of Human PHOX2A
lsotype:	lgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	PHOX2A
Alternative Name:	PHOX2A (PHOX2A Products)
Background:	PHOX2A and PHOX2B (Paired mesoderm homeobox protein) are closely related, paired-

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	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.Synonyms: ARIX, ARIX1 homeodomain protein, Aristaless homeobox protein homolog,
	PMX2A, Paired mesoderm homeobox protein 2A, Paired-like homeobox 2A
Gene ID:	401
NCBI Accession:	NP_005160
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.





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of PHOX2A in human brain tissue with PHOX2A antibody at 2.5 ug/mL.

Western Blotting

Image 2. Western blot analysis of PHOX2A in rat brain tissue lysate with PHOX2A antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.

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