

Datasheet for ABIN2780651  
**anti-PHOX2A antibody (C-Term)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µL
Target:	PHOX2A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHOX2A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PHOX2A
Sequence:	VAGGGGGGPG AGAAELLKAW QPAESGPGPF SGVLSSFHRK PGPALKTNLF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PHOX2A. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	PHOX2A
Alternative Name:	PHOX2A ( <a href="#">PHOX2A Products</a> )

## Target Details

Background:	<p>PHOX2A contains a paired-like homeodomain most similar to that of the <i>Drosophila aristaless</i> gene product. The encoded protein plays a central role in development of the autonomic nervous system. It regulates the expression of tyrosine hydroxylase and dopamine beta-hydroxylase, two catecholaminergic biosynthetic enzymes essential for the differentiation and maintenance of the noradrenergic neurotransmitter phenotype. PHOX2A has also been shown to regulate transcription of the alpha3 nicotinic acetylcholine receptor gene.</p> <p>Alias Symbols: ARIX, CFEOM2, FEOM2, MGC52227, NCAM2, PMX2A</p> <p>Protein Interaction Partner: SP1, PHOX2A, HAND2, PRKACA, ATF6B, CREBBP, JUN,</p> <p>Protein Size: 284</p>
Molecular Weight:	30 kDa
Gene ID:	401
NCBI Accession:	<a href="#">NM_005169</a> , <a href="#">NP_005160</a>
UniProt:	<a href="#">O14813</a>

## Application Details

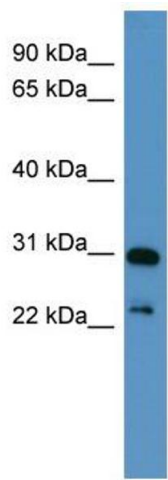
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 284 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Images



**Western Blotting**

**Image 1.** WB Suggested Anti-PHOX2A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: MCF7 cell lysate