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# Datasheet

## PHOX2A MaxPab rabbit polyclonal antibody (D01)

**Catalog Number:** H00000401-D01

**Regulation Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against a full-length human PHOX2A protein.

**Immunogen:** PHOX2A (NP_005160.2, 1 a.a. ~ 284 a.a) full-length human protein.

**Sequence:**
MDYSYLNSYDSCVAAMEASAYGDFGACSQPGGFQYS
PLRPAFPAAGPPCPALGSSNCALGALRDHQPAPYSAV
PYKFFPEPSGLHEKRKQRRIRTTFTSAQLKELERVFAE
THYPDIYTREELALKIDLTEARVQVWFQNRRAKFRKQE
RAASAKGAAGAAGAKKGEARCSSEDDDSKESTCSPT
PDSTASLPPPPAPGLASPRLSPSPLPVALGSGPGPGP
GPQPLKGALWAGVAGGGGGGPGAGAAELLKAWQPA
ESGPGPFSGVLSSFHRKPGPALKTNLF

**Host:** Rabbit

**Reactivity:** Human

**Applications:** IP
(See our web site product page for detailed applications information)

**Protocols:** See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

**Storage Buffer:** No additive

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 401

**Gene Symbol:** PHOX2A

**Gene Alias:** ARIX, CFEOM2, FEOM2, MGC52227, NCAM2, PMX2A

**Gene Summary:** The protein encoded by this gene contains a paired-like homeodomain most similar to that of the Drosophila aristaless 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. The encoded protein has also been shown to regulate transcription of the alpha3 nicotinic acetylcholine receptor gene. Mutations in this gene have been associated with autosomal recessive congenital fibrosis of the extraocular muscles. [provided by RefSeq]