

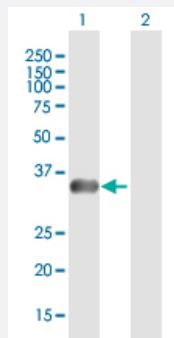
MaxPab®

PHOX2A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000401-B01P

Size 50 ug

Applications

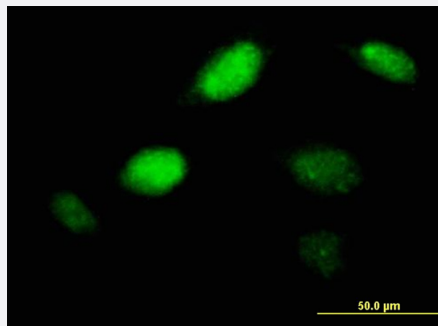


Western Blot (Transfected lysate)

Western Blot analysis of PHOX2A expression in transfected 293T cell line ([H00000401-T01](#)) by PHOX2A MaxPab polyclonal antibody.

Lane 1: PHOX2A transfected lysate(31.24 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PHOX2A on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse 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

MDYSYLSYDSCVAAMEASAYGDFGACSQPGGFQYSPLRPAFPAAGPPCPALGSSNCALGALR
DHQPAPYSAVPYKFFPEPSGLHEKRRKQRRIRTTFTSAQLKELERVFAETHYPDIYTREELALKIDLT
EARVQVWFQNRRAKFRKQERAASAKGAAGAAGAKKGEARCSSEDDDSKESTCSPTPDSTASL
PPPPAPGLASPRLSPLPVALGSGPGPGPGPQLKGALWAGVAGGGGGPGAGAAELLKAW
QPAESGPGPFSGVLSSFHRKPGPALKTNLF

Host

Mouse

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunofluorescence

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Gene Info — PHOX2A

Entrez GeneID	401
GeneBank Accession#	NM_005169.2
Protein Accession#	NP_005160.2
Gene Name	PHOX2A
Gene Alias	ARIX, CFEOM2, FEOM2, MGC52227, NCAM2, PMX2A
Gene Description	paired-like homeobox 2a
Omim ID	602078 602753
Gene Ontology	Hyperlink

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 $\alpha 3$ nicotinic acetylcholine receptor gene. Mutations in this gene have been associated with autosomal recessive congenital fibrosis of the extraocular muscles. [provided by RefSeq]

Other Designations

aristaless homeobox homolog; arx homeodomain protein

Disease

- [Sudden Infant Death](#)