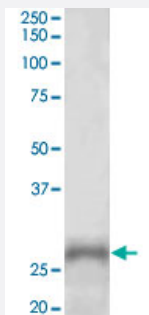


PHOX2A polyclonal antibody

Catalog # PAB25463 Size 100 ug

Applications



Western Blot (Tissue lysate)

PHOX2A polyclonal antibody (Cat # PAB25463) (1 ug/mL) staining of human adrenal gland lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PHOX2A.
Immunogen	A synthetic peptide corresponding to amino acids 165-179 at internal region of human PHOX2A.
Sequence	KGEARCSSEDDDSKE
Host	Goat
Theoretical MW (kDa)	26
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PHOX2A

Entrez GeneID[401](#)**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 alpha3 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|arix homeodomain protein

Disease

- [Sudden Infant Death](#)