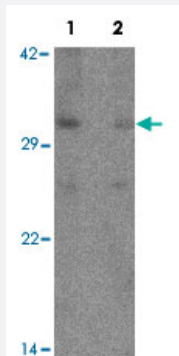


PHOX2A polyclonal antibody

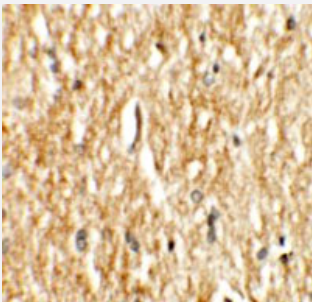
Catalog # PAB25492 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of rat brain tissue lysate with PHOX2A polyclonal antibody (Cat # PAB25492) at 1 ug/mL in (1) the absence and (2) the presence of blocking peptide.



Immunohistochemistry

Immunohistochemical analysis of human brain tissue with PHOX2A polyclonal antibody (Cat # PAB25492) at 2.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PHOX2A.
Immunogen	A synthetic peptide corresponding to C-terminus of human PHOX2A.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	PHOX2A antibody is predicted to not cross-react with other paired homeobox family members.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage 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)

Western blot analysis of rat brain tissue lysate with PHOX2A polyclonal antibody (Cat # PAB25492) at 1 ug/mL in (1) the absence and (2) the presence of blocking peptide.

- Immunohistochemistry

Immunohistochemical analysis of human brain tissue with PHOX2A polyclonal antibody (Cat # PAB25492) at 2.5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PHOX2A

Entrez GeneID	401
Protein Accession#	NP_005160
Gene Name	PHOX2A
Gene Alias	ARIX, CFEM2, 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 | arix homeodomain protein

Disease

- [Sudden Infant Death](#)