

Rabbit PHOX2A Polyclonal Antibody | anti-PHOX2A antibody

PHOX2A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39736	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

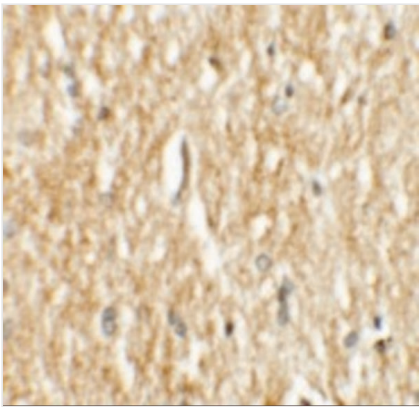
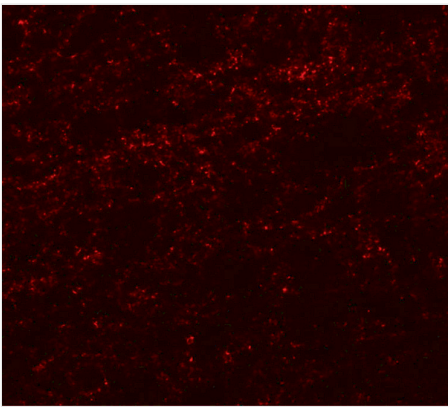
PRODUCT SYNONYMS

PHOX2A; Polyclonal Antibody; PHOX2A Antibody; ARIX; FEOM2; NCAM2; PMX2A; CFEOM2; Paired mesoderm homeobox protein 2A; ARIX1 homeodomain protein; paired-like homeobox 2a; anti-PHOX2A antibody

PRODUCT SPECIFICATIONS

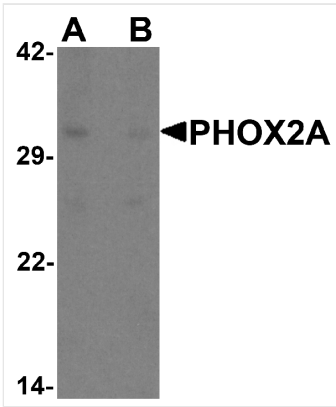
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PHOX2A antibody is predicted to not cross-react with other paired homeobox family members.
Purity/Purification	PHOX2A Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	284
Applicable Applications for anti-PHOX2A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PHOX2A antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human PHOX2A.
Buffer	PHOX2A Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PHOX2A antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of PHOX2A in human brain tissue with PHOX2A antibody at 20 μ g/mL.

IHC (Immunohistochemistry)
Immunohistochemistry of PHOX2A in human brain tissue with PHOX2A antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of PHOX2A in rat brain tissue lysate with PHOX2A antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PHOX2A antibody	PHOX2A Antibody: PHOX2A and PHOX2B (Paired mesoderm homeobox protein) are closely related, paired-homeodomain transcription factors that function as determinants of the noradrenergic phenotype during embryogenesis. PHOX2 proteins are crucial for the regulation of endogenous hydroxylases in neural crest cells and promote sympathetic neuron generation. Human PHOX2B contains one DNA binding homeobox domain and is required for the differentiation of all central and nonperipheral noradrenergic centers in the brain. In contrast, PHOX2A controls only the differentiation of the main noradrenergic center of the brain. Regulation of PHOX2 may have therapeutic utility in aging or disorders involving degeneration of noradrenergic neurons.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	46249382
NCBI GeneID	401
NCBI Accession #	NP_005160
NCBI GenBank Nucleotide #	NM_005169.3
UniProt Accession #	O14813; Q8IVZ2; A8K3N0
Molecular Weight	29,653 Da
NCBI Official Full Name	paired mesoderm homeobox protein 2A
NCBI Official Synonym Full Names	paired-like homeobox 2a

NCBI Official Symbol	PHOX2A
NCBI Official Synonym Symbols	ARIX; FEOM2; NCAM2; PMX2A; CFEOM2
NCBI Protein Information	paired mesoderm homeobox protein 2A; arix homeodomain protein; ARIX1 homeodomain protein; aristaless homeobox homolog; aristaless homeobox protein homolog
UniProt Protein Name	Paired mesoderm homeobox protein 2A
UniProt Gene Name	PHOX2A
UniProt Synonym Gene Names	ARIX; PMX2A
UniProt Entry Name	PHX2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/phox2a-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39736>