

Rabbit PHOX2A Polyclonal Antibody | anti-PHOX2A antibody

PHOX2A antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197218	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

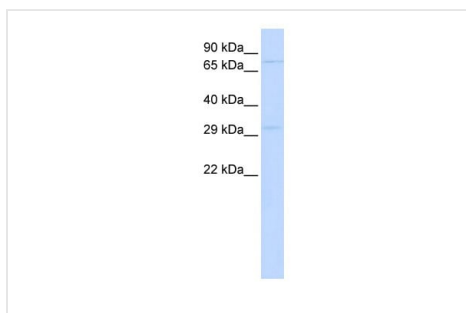
PRODUCT SYNONYMS

PHOX2A; Polyclonal Antibody; PHOX2A antibody - N-terminal region; anti-PHOX2A antibody

PRODUCT SPECIFICATIONS

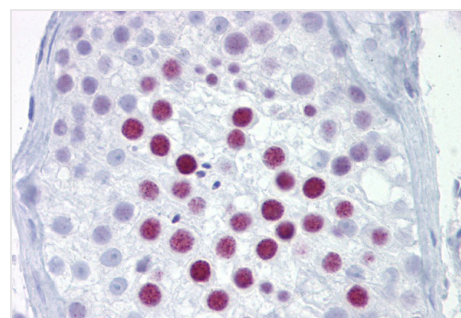
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AV PYKFFPEPSG LHEKRKQRRRI RTTFTSAQLK ELERVFAETH YPDIYTRE
Sequence Length	284
Applicable Applications for anti-PHOX2A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PHOX2A
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-PHOX2A Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:1562500
 Positive Control: 721_B cell lysate
 PHOX2A is supported by BioGPS gene expression data to be expressed in 721_B



IHC (Immunohistochemistry)

Immunohistochemistry with Testis tissue at an antibody concentration of 5ug/ml using anti-PHOX2A antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PHOX2A antibody	This is a rabbit polyclonal antibody against PHOX2A. It was validated on Western Blot using a cell lysate as a positive control. Target Description: PHOX2A 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. PHOX2A has also been shown to regulate transcription of the alpha3 nicotinic acetylcholine receptor gene. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-PHOX2A antibody	Polyclonal ; Transcription Factor ; Transcription Regulation ; Transcription Regulation ; Developmental Biology ; Disease Related ; Immunohistochemistry ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	46249382
NCBI GeneID	401
NCBI Accession #	NP_005160
NCBI GenBank Nucleotide #	NM_005169
UniProt Accession #	O14813
Molecular Weight	30kDa
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
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-western-blot-immunohistochemistry-elisa/197218>