

Product datasheet for **TA343509**

PHOX2A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PHOX2A antibody: synthetic peptide directed towards the C terminal of human PHOX2A. Synthetic peptide located within the following region: VAGGGGGPGAGAAELLKAWQPAESGPGPFSGLSSFHRKPGPALKTNLF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa
Gene Name:	paired like homeobox 2a
Database Link:	NP_005160 Entrez Gene 401 Human O14813



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Background:	PHOX2A contains a paired-like homeodomain most similar to that of the <i>Drosophila aristaless</i> 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.
Synonyms:	ARIX; CFEOM2; FEOM2; NCAM2; PMX2A
Note:	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%
Protein Families:	Transcription Factors

Product images:

WB Suggested Anti-PHOX2A Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive
Control: MCF7 cell lysate