

Rabbit anti-Human, Mouse PHOX2B Monoclonal Antibody | anti-PHOX2B antibody

PHOX2B (EP312)

CATALOG # AAA59342	HOST Rabbit	REACTIVITY Human, Mouse
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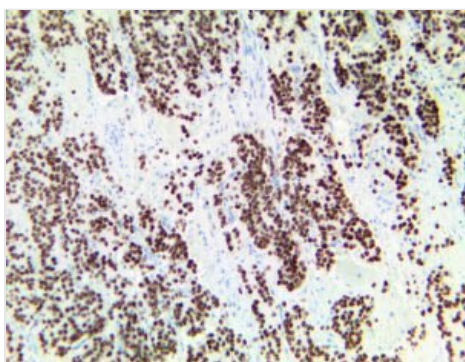
PRODUCT SYNONYMS

PHOX2B; Monoclonal Antibody; PHOX2B (EP312); paired like homeobox 2b; NBLST2; NBPhox; PMX2B; neuroblastoma paired type homeobox protein; Neuroblastoma Phox; paired mesoderm homeobox 2b; Paired mesoderm homeobox protein 2B; Paired like homeobox 2B; PHOX2B homeodomain protein; anti-phox2b; anti phox2b; anti-phox; anti phox; anti-PHOX2B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	EP312
Form/Format	Paraffin, Frozen PHOX2B is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to residues of human PHOX2B protein.
Control	Adrenal, Neuroblastoma
Localization	Nuclear
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)

PHOX2B Antibody Immunohistochemistry on an FFPE Neuroblastoma Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-PHOX2B antibody	Paired-like homeobox 2b (PHOX2B), also known as neuroblastoma Phox (NBPhox), is a protein that in humans is encoded by the PHOX2B gene located on chromosome 4. It is expressed exclusively in the nervous system, in most neurons that control the viscera (cardiovascular, digestive and respiratory systems). It is also required for neuron differentiation. Mutations in human PHOX2B cause a rare disease of the autonomic nervous system (dysautonomia): congenital central hypoventilation syndrome (associated with respiratory arrests during sleep and, occasionally, wakefulness), Hirschsprung's disease (partial agenesis of the enteric nervous system), ROHHAD, and tumors of the sympathetic ganglia. PHOX2 gene over-expression in Neuroblastoma (NB) tumors and cell lines suggests these genes may be widely involved in Neuroblastoma development through either a direct mechanism of up-regulation or a failure in maintaining proper transcript levels after embryonic development. The PHOX2B antibody expression has been observed in all peripheral neuroblastic tumors, paragangliomas, and pheochromocytomas tested but in no other pediatric tumors among the 388 cases studied by expression microarray and the 109 cases studied by immunohistochemical analysis. PHOX2B and CD57 have been found to be useful markers of Neuroblastoma. PHOX2B antibody is specific for Neuroblastoma in its differential identification with other small round cell tumors, and its nuclear staining may be helpful for accurate bone marrow tumor quantification.
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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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/phox2b-antibody-clone-ep312-elisa/59342>