

For Research Use Only

PHOX2B Polyclonal antibody

Catalog Number: 25276-1-AP **5 Publications**



Basic Information

Catalog Number: 25276-1-AP	GenBank Accession Number: BC017199	Purification Method: Antigen affinity purification
Size: 900 µg/ml	GeneID (NCBI): 8929	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	UNIPROT ID: Q99453	
Isotype: IgG	Full Name: paired-like homeobox 2b	
Immunogen Catalog Number: AG13196	Calculated MW: 31 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : Neuro-2a cells, SH-SY5Y cells IHC : neuroblastoma tissue, mouse brain tissue IF : Neuro-2a cells, SH-SY5Y cells
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Paired mesoderm homeobox protein 2B (PHOX2B), also named as Neuroblastoma Phox, is a 314 amino acid protein, which contains one homeobox DNA-binding domain and belongs to the paired homeobox family. PHOX2B localizes in the nucleus and is expressed in neuroblastoma, brain and adrenal gland. PHOX2B plays a role in the development of several major noradrenergic neuron populations, including the locus coeruleus. PHOX2B has an association with congenital central hypoventilation syndrome.

Notable Publications

Author	Pubmed ID	Journal	Application
Ling Ma	35325230	Stem Cells Transl Med	WB
Yuzo Takayama	32528170	Sci Rep	IF
Miller Huang	26812940	Sci Rep	IF

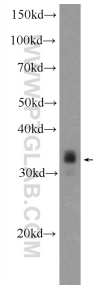
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

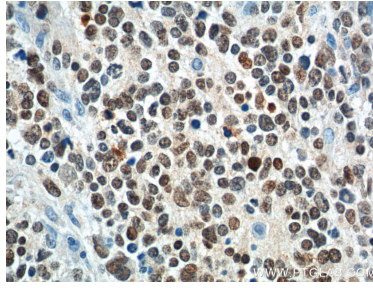
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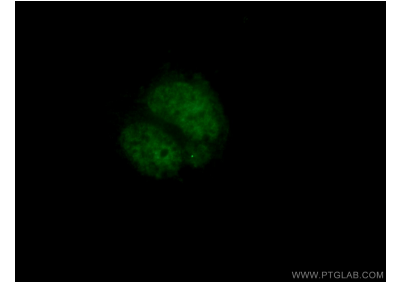
Selected Validation Data



Neuro-2a cells were subjected to SDS PAGE followed by western blot with 25276-1-AP (PHOX2B Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded neuroblastoma tissue slide using 25276-1-AP (PHOX2B Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of Neuro-2a cells using 25276-1-AP (PHOX2B antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).