

For Research Use Only

# CoraLite® Plus 488-conjugated PHOX2B Polyclonal antibody

Catalog Number:CL488-25276



## Basic Information

Catalog Number:

CL488-25276

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13196

GenBank Accession Number:

BC017199

GeneID (NCBI):

8929

UNIPROT ID:

Q99453

Full Name:

paired-like homeobox 2b

Calculated MW:

31 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:300-1:1200

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : SH-SY5Y cells,

## 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.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

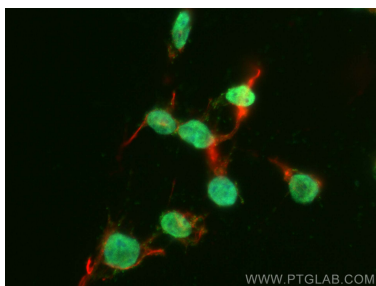
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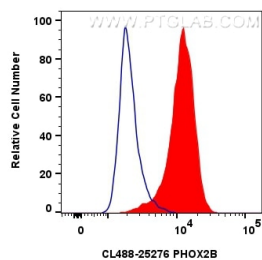
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using Coralite® Plus 488 PHOX2B antibody (CL488-25276) at dilution of 1:600, CL594-phalloidin (red).



$1 \times 10^6$  Neuro-2a cells were intracellularly stained with 0.4  $\mu$ g Coralite® Plus 488-conjugated PHOX2B Polyclonal antibody (CL488-25276)(red), or 0.4  $\mu$ g Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).