

For Research Use Only

# BLOC1S2 Polyclonal antibody

Catalog Number: 12165-1-AP



## Basic Information

<b>Catalog Number:</b> 12165-1-AP	<b>GenBank Accession Number:</b> BC020494	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 227 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 282991	
<b>Source:</b> Rabbit	<b>Full Name:</b> biogenesis of lysosomal organelles complex-1, subunit 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 142 aa, 16 kDa	
<b>Immunogen Catalog Number:</b> AG2807		

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

BLOS2, also named BLOC1S2, is a shared subunit of two lysosomal trafficking complexes, biogenesis of lysosome-related organelles complex-1 (BLOC-1) and BLOC-1 related complex. Loss of BLOS2 resulted in elevated Notch signaling which consequently increased the proliferation of neural progenitor cells and inhibited neuronal differentiation in cortices. BLOS2 is a novel negative player in regulating Notch signaling through lysosomal trafficking by controlling multiple stem and progenitor cell homeostasis in vertebrates. (PMID 27719760)

## 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

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data