



BLOC1S Mouse mAb

Catalog No	YP-mAb-18611
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BLOC1S1 BLOS1 GCN5L1 RT14
Immunogen	Synthesized peptide derived from human BLOC1S1
Specificity	This antibody detects endogenous levels of BLOC1S1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Biogenesis of lysosome-related organelles complex 1 subunit 1;BLOC 1 subunit 1;BLOC-1 subunit 1;BLOS1;GCN5 like protein 1;BLOC1S1 BLOS1 GCN5L1 RT14;Biogenesis of lysosome-related organelles complex 1 subunit 1 (BLOC-1 subunit 1) (GCN5-like protein 1) (Protein RT14)
Observed Band	14-17 kDa
Calculated Molecular Weight	17kD
Cell Pathway	Mitochondrion intermembrane space . Mitochondrion matrix . Cytoplasm, cytosol . Lysosome membrane .
Tissue Specificity	
Function	Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes. In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension . As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple

lysosomes to microtubule plus-end-directed kinesin motor . ; May negatively regulate aerobic respiration through mitochondrial protein lysine-acetylation. May counteract the action of the deacetylase SIRT3 by acetylating and regulating proteins of the mitochondrial respiratory chain including ATP5F1A and NDUFA9.

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images