

Bloc1s2 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13840

Product Information

Application	WB
Primary Accession	Q9CWG9
Other Accession	NM_028607 , NP_082883
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16300

Additional Information

Gene ID	73689
Alias Symbol	2410089B13Rik, BLOS2
Other Names	Biogenesis of lysosome-related organelles complex 1 subunit 2, BLOC-1 subunit 2, Bloc1s2, Blos2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Bloc1s2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Bloc1s2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Bloc1s2
Synonyms	Blos2
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 (By similarity). 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 (PubMed: 16760431 , PubMed: 21998198). The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension (PubMed: 19546860). 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 (By similarity).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q6QNY1}. Lysosome membrane {ECO:0000250|UniProtKB:Q6QNY1}. Note=Localizes to the centrosomes in a microtubule-dependent manner. {ECO:0000250|UniProtKB:Q6QNY1}

References

Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Starcevic M.,et al.J. Biol. Chem. 279:28393-28401(2004).
Salazar G.,et al.Mol. Biol. Cell 17:4014-4026(2006).
Gdynia G.,et al.Apoptosis 13:437-447(2008).

Images



WB Suggested Anti-Bloc1s2 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.