Anti-GltBD (NADPH-dependent glutamate synthase) (cyanobacteria) antibody, rabbit polyclonal

Product code	81-027
Size	200 µg
Storage	-20℃
Concentration	4.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Purified recombinant cyanobacterium, *Leptolyngbya boryana (Plectonema boryanum),* glutamate synthase (full-size, no-tag attached)
Isotype	Rabbit IgG
Reactivity	Reacts with cyanobacteria glutamate synthase, GltB and GltD proteins.
Special notes	N/A
Application	1. Western blotting (1/1,000-1/2,000 dilution) 2. ELISA
Background	NADH-dependent glutamate synthase (GltBD) is involved in glutamate biosynthesis and consists of large subunit (GltB, 168 kDa) and small subunit (GltD, 54 kDa). It is required for non-photorespiratory ammonium assimilation.
Data Link	UniProtKB : Q51583 (gltB L.boryanum), Q51584 (gltD L.boryanum)

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Data Images: 81-027 Anti-GltBD (NADPH-dependent glutamate synthase) (cyanobacteria) antibody, rabbit polyclonal

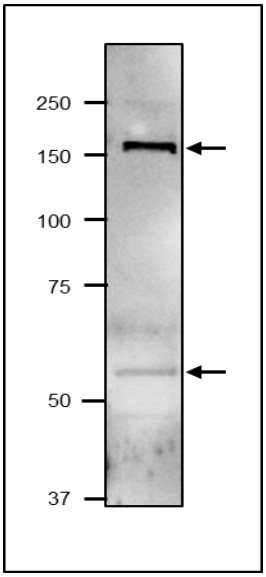

Fig.1 Western blot of GltBD protein in cyanobacterium.

Sample: Soluble fraction of *Synechocystis* sp. PCC6803 extract

Anti-GltBD antibody was used at 4 μg/ml. As the secondary antibody, goat anti-rabbit IgG antibody HRP-conjugated (ab97051) was used at 1/10,000 dilution.

Molecular mass of GltB (large subunit of NADPH-dependent GOGAT) is 168 kDa, GltD (small subunit of NADPH-dependent GOGAT) is 54 kDa.

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