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Product no AS20 4427

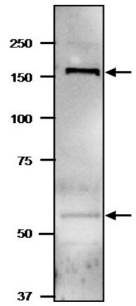
Anti-GltBD | NADPH-dependent glutamate synthase

Product information

Immunogen	Purified full length, tag cleaved, recombinant cyanobacterium, *Leptolyngbya boryana* (*Plectonema boryanum*) , glutamate synthase, UniProt: Q51583 (gltB, large subunit *L.boryanum*), Q51584 (gltD, small subunit *L.boryanum*)
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized.
Format	Liquid at 4 mg/ml.
Quantity	200 µg
Storage	Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1: 1000 - 1: 2000 (WB)
Expected | apparent MW	167.9 | 168 kDa (large subunit) 54.2 | 54 kDa (small subunit)
Confirmed reactivity	*Synechocystis* sp. strain PCC6803
Predicted reactivity	cyanobacteria Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	This antibody is recognizing both, large (GltB) and small (GltD) subunits of NADPH-dependent glutamate synthase



Soluble fraction of *Synechocystis* PCC6803 total cell extract freshly extracted with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE and denatured with 4X SDS buffer at 95°C for 5 min. Samples were separated on 10% SDS-PAGE and blotted 1h to PVDF membrane. Blot was blocked with 3 % skim milk/TBS-T, 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2000 in TBS-T for 1h/RT. The antibody solution was decanted and the blot was washed 4 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a chemiluminescent detection reagent, following manufacture's recommendation.

Detected bands are 168 kDa (GltB, large subunit) and 54 kDa (GltD, small subunit) of NADPH-dependent glutamate synthase