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Product no AS12 2617

MME4 | Malic enzyme

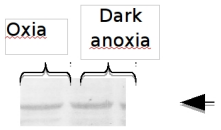
Product information

Immunogen	KLH-conjugated synthetic peptide derived *Chlamydomonas reinhardtii* MME4 protein seqeunce A8IUZ4. The peptide is also conserved in MME3 A8IUW2
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	200 µg
Reconstitution	For reconstitution add 200 µl of sterile water
Storage	Store lyophilized/reconstituted 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 (WB)
Expected | apparent MW	56 kDa
Confirmed reactivity	*Chlamydomonas reinhardtii*
Predicted reactivity	*Chlamydomonas reinhardtii*
Not reactive in	*Chromera velia*
Selected references	Subramanian et al. (2014). Profiling Chlamydomonas Metabolism under Dark, Anoxic H 2 Producing Conditions Using a Combined Proteomic, Transcriptomic, and Metabolomic Approach. J Proteome Res. 2014 Oct 21.

application example



25 µg of total protein from *Chlamydomonas reinhardtii*, oxic conditions and dark anoxia were separated on 4-15 **% SDS-PAGE** and blotted 1h to **PVDF**. Blotting was done using SNAP-ID kit: incubation in blocking buffer for 1 min., following incubation in a primary antibody at a dilution of 1: 1 000 for 20 min, wash three times with wash buffer TBS-T, followed by incubation in a secondary antibody at a dilution of 1: 5000, for 20 min. and three times wash in TBS-T. The blot was washed and developed with alkaline phosphatase color development reagent according to the manufacturer's instructions.

Courtesy of Dr. Alexandra Dubini