

Product no **AS16 3932****NAD-ME | Mitochondrial NAD-dependent malic enzyme****Product information**

Immunogen	Native, NAD-ME purified from mitochondria isolated from mature amaranth leaves, UniProt: P37224
Host	Rabbit
Clonality	Polyclonal
Purity	Serum + 0.01% sodium azide.
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 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.
Additional information	Antibody can be used in immunolocalization using immunogold TEM. This antibody recognizes the large subunit (MEL) of the NAD-ME. Immunolocalization method is described in Long et al. (1994) .

Application information

Recommended dilution	1 : 25 to 1 : 100 (IL), 1 : 1000 (WB)
Expected apparent MW	65 kDa
Confirmed reactivity	<i>Amaranthus hypochondriacus</i> , <i>Arabidopsis thaliana</i> , <i>Flaveria sp.</i> , <i>Nicotiana tabacum</i> , <i>Zea mays</i>
Predicted reactivity	<i>Amborella trichopoda</i> , <i>Arabis alpina</i> , <i>Beta vulgaris</i> , <i>Brachypodium distachyon</i> , <i>Brassica oleracea</i> , <i>Citrus sinensis</i> , <i>Coffea canephora</i> , <i>Cucumis sativus</i> , <i>Cynara cardunculus</i> , <i>Erythranthe guttata</i> , <i>Eucalyptus grandis</i> , <i>Eutrema salsugineum</i> , <i>Glycine max</i> , <i>Gossypium raimondii</i> , <i>Hordeum vulgare</i> , <i>Jatropha curcas</i> , <i>Kalanchoe fedtschenkoi</i> , <i>Malus domestica</i> , <i>Medicago truncatula</i> , <i>Morus notabilis</i> , <i>Oryza sativa</i> , <i>Phaseolus vulgaris</i> , <i>Physcomitrium patens</i> , <i>Picea sitcHensis</i> , <i>Populus trichocarpa</i> , <i>Prunus persica</i> , <i>Ricinus communis</i> , <i>Selaginella moellendorffii</i> , <i>Setaria italica</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Spinacia oleracea</i> , <i>Theobroma cacao</i> , <i>Triticum aestivum</i> , <i>Zostera marina</i> , <i>Wollemia nobilis</i> , <i>Vitis vinifera</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Long et al. (1994) . Cloning and analysis of the C4 photosynthetic NAD-dependent malic enzyme of amaranth mitochondria. J Biol Chem. 1994 Jan 28;269(4):2827-33.