

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

<b>Immunogen</b>	Native, NAD-ME purified from mitochondria isolated from mature amaranth leaves, UniProt: <a href="#">P37224</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum + 0.01% sodium azide.
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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.
<b>Additional information</b>	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 <a href="#">Long et al. (1994)</a> .

**Application information**

<b>Recommended dilution</b>	1 : 25 to 1 : 100 (IL), 1 : 1000 (WB)
<b>Expected   apparent MW</b>	65 kDa
<b>Confirmed reactivity</b>	<i>Amaranthus hypochondriacus</i> , <i>Arabidopsis thaliana</i> , <i>Flaveria sp.</i> , <i>Glycine max</i> , <i>Nicotiana tabacum</i> , <i>Zea mays</i>
<b>Predicted reactivity</b>	<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>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 sitchHensis</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? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	<a href="#">Hog et al. (2024)</a> . Proteomic analysis on symbiotic differentiation of mitochondria in soybean nodules. Comparative Study Plant Cell Physiol. 2004 Mar;45(3):300-8. doi: 10.1093/pcp/pch035. <a href="#">Long et al. (1994)</a> . Cloning and analysis of the C4 photosynthetic NAD-dependent malic enzyme of amaranth mitochondria. J Biol Chem. 1994 Jan 28;269(4):2827-33.