

Anti-HPR Antibody

Catalog # AP54165

Product Information

Application	WB
Primary Accession	Q9C9W5
Reactivity	Arabidopsis thaliana
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42248

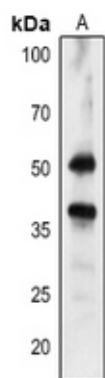
Additional Information

Gene ID	843129
Other Names	Glycerate dehydrogenase HPR peroxisomal; GDH; NADH-dependent hydroxypyruvate reductase 1; AtHPR1; HPR 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of arabidopsis thaliana HPR. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/2000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	HPR
Function	Catalyzes the NADH-dependent reduction of hydroxypyruvate into glycerate in the photorespiratory core cycle. Mediates fatty acid beta-oxidation in germinating seeds when malate dehydrogenase is absent.
Cellular Location	Peroxisome.
Tissue Location	Present in leaves (at protein level). Mostly expressed in photosynthetic tissues such as leaves, stems, flowers, buds, and, to a lower extent, in siliques and roots

Images



Western blot analysis of HPR expression in Arabidopsis thaliana (A) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 42 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.