

Anti-TIC40 Antibody

Catalog # AP54175

Product Information

Application	WB
Primary Accession	Q9FMD5
Reactivity	Arabidopsis thaliana
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48903

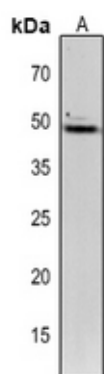
Additional Information

Gene ID	831524
Other Names	PDE120; Protein TIC 40 chloroplastic; Protein PIGMENT DEFECTIVE EMBRYO 120; Translocon at the inner envelope membrane of chloroplasts 40; AtTIC40
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of arabidopsis thaliana TIC40. 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	TIC40 {ECO:0000303 PubMed:12805212}
Synonyms	PDE120 {ECO:0000305}
Function	Involved in protein precursor import into chloroplasts. Part of the motor complex consisting of a co-chaperone (TIC40) and a chaperone (HSP93) associated with the import channel (TIC110). Causes the release of bound transit peptides from TIC110 and stimulates ATP hydrolysis by HSP93. Involved in reinsertion of proteins from the chloroplast stroma into the inner membrane.
Cellular Location	Plastid, chloroplast inner membrane; Single-pass membrane protein
Tissue Location	Expressed in seedlings, flowers, leaves, stems and roots.

Images



Western blot analysis of TIC40 expression in *Arabidopsis thaliana* (A) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 49 kD)

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