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Product Datasheet

Anti-AtpB | Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies), Rabbit, Polyclonal **AGR-AS05-085**

Article Name	Anti-AtpB Beta subunit of ATP synthase (chloroplastic + mitochondrial) (rabbit antibodies), Rabbit, Polyclonal
Biozol Catalog Number	AGR-AS05-085
Supplier Catalog Number	AS05-085
Alternative Catalog Number	AGR-AS05-085
Manufacturer	Agrisera
Host	Rabbit
Category	Antikörper
Application	BN-PAGE, IF, WB
Species Reactivity	A. thaliana, Algae, Bacteria, E. coli, Fish, Gallus, H. pylori, Insect, Other, Parasite, Plant, Porcine, Rat, Seal
Immunogen	KLH-conjugated synthetic peptide derived from available plant, algal (chloroplastic and mitochondrial) and bacterial sequences of beta subunits of F-type ATP synthases, including Arabidopsis thaliana chloroplastic ATP synthase subunit beta UniProt: P19366, TAIR: AtCg00480 and Arabidopsis thaliana mitochondrial ATP synthase subunit beta-1, UniProt: P83483, TAIR: At5g08670 as well as Chlamydomonas reinhardtii, UniProt: P06541 and A81QU3
Product Description	ATP synthase is the universal enzyme that synthesizes ATP from ADP and phosphate using the energy stored in a transmembrane ion gradient....
Clonality	Polyclonal

Molecular Weight	53.9 kDa (<i>Arabidopsis thaliana</i>), 51.7 kDa (<i>Synechocystis</i> PCC 6803), 53.7 kDa (<i>Spinacia oleracea</i>)
NCBI	830768
UniProt	P19366
Purity	Serum
Form	Lyophilized
Antibody Type	Polyclonal Antibody
Application Dilute	1 : 100 (IF), 1 : 5000 (BN-PAGE), 1: 2500 (U-ExM), 1 : 2000-1 : 5 000 (WB)
Application Notes	Blue Native gel electrophoresis (BN-PAGE) has been performed on samples solubilized with digitonin (4:1) and loaded at 100 µg/well. Gel thickness was 2 mm with 4.5-16 % gradient. Antibody is recognizing mitochondrial form of AtpB Subota et. al (2011). This antibody can be used as a loading control for bacteria, <i>Bacillus cereus</i> .