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Product Datasheet

AtpB | Positive control/quantitation standard AGR-AS03-030S

Article Name	AtpB Positive control/quantitation standard
Biozol Catalog Number	AGR-AS03-030S
Supplier Catalog Number	AS03-030S
Alternative Catalog Number	AGR-AS03-030S
Manufacturer	Agrisera
Category	Sonstiges
Application	WB
Product Description	ATP synthase is the universal enzyme that synthesizes ATP from ADP and phosphate using the energy stored in a transmembrane ion gradient. This product is a recombinant protein standard, source: Synechocystis strain PCC 6803....
Molecular Weight	in most gel systems AtpB migrates around 50-54 kDa
Form	Lyophilized, in glycerol.
Antibody Type	Secondary Antibody
Application Dilute	Standard curve: 3 loads are recommended (0.5, 2 and 4µl). For most applications a sample load of 0.2µg of chlorophyll will give a AtpB signal in this range. Positive control: load per well: a 2µl load is optimal for most chemiluminescent detection systems. T

Application Notes	Concentration: after adding 90 µl of dest. water final concentration of the standard is 0.27 pmol/µl. Protein standard buffer composition: Glycerol 10%, Tris Base 141 mM, Tris HCl 106 mM, LDS 2%, EDTA 0.51 mM, SERVA Blue G250 0.22 mM, Phenol Red 0.175 mM, pH 8.5, 0.1mg/ml PefaBloc protease inhibitor (Roche), 50mM DTT. This standard is ready-to-load and does not require any additions or heating. It needs to be fully thawed and thoroughly mixed prior to using. Avoid vigorous vortexing, as buffers contain detergent. Following mixing, briefly pulse in a microcentrifuge to collect material from cap. This standard is stabilized and ready and does not require heating before loading on the gel. Please note that this product contains 10% glycerol and might appear as liquid but is provided lyophilized. Allow the product several minutes to solubilize after adding water. Mix thoroughly but gently Take extra care to mix thoroughly before each use, as the proteins tend to settle with the more dense layer after freezing.
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