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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS21 4548

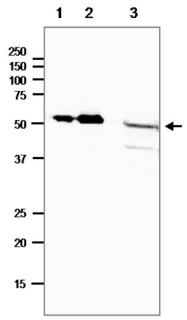
Anti-DNA Photolyase (E,coli)

Product information

Immunogen	Purified, full-length, recombinant DNA photolyase protein from *E.coli*, UniProt: P00914
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS with 50% glycerol, filter sterilized.
Format	Liquid
Quantity	200 µg
Storage	Store at -20°C; 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.

Application information

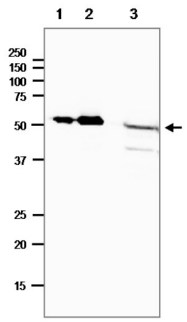
Recommended dilution	Assay-dependent (ELISA), 1: 200 (IP), 1 : 1000 (WB)
Expected | apparent MW	53.6 kDa
Confirmed reactivity	*Escherichia coli*
Predicted reactivity	Species of your interest not listed? Contact us



Samples: Purified *E.coli* photolyase 8.4 ng **(1)**, Purified *E.coli* photolyase 42 ng **(2)**, **E. coli** crude lysate, 40 µg (3) were separated on 12.5 % SDS-PAGE and transferred to a PVDF membrane at 15V, overnight, followed by blocking with 5 % non-fat milk, washes and incubation with a primary antibodies at 1: 1000 dilution 1h/RT in TBS-T, washes and incubation with secondary antibodies HRP conjugated. Reaction was visualized by chemiluminescnce following manufacture's recommendations.

Important note:

there are only 10-20 molecules of photolyase per *E.coli* cell, therefore high protein load/well is necessary.



Immunoprecipitation was performed by using Dynabeads Magnetic system (Thermo Fisher).
Samples: *E. coli* AB1157 cell lysate (300µg) , primary antibody 2µg **(1)**, *E. coli* AB1157 cell lysate (300µg), antibody 10 µg **(2)**, Positve control: *E. coli* Photolyase purified, 4.2 µg, antibody 10 µg **(3),** Negative control: No sample, antibody 10 µg **(4)**. Western blot: Anti-Photolyase antibody used

at 1 : 1000 dilution and as the second antibody, HRP-conjugated goat anti-rabbit IgG for IP (suitable for detection of immunprecipitation products) was used at 1: 1000 dilution 1 h/RT. Reaction was visualized by chemiluminescence, following manufacture's recommendations.