

Antibody Datasheet

Product description:- Anti-53BP1 phospho Ser 452

Antigen:- KKGSLPIPS*QPQFSHD
 [residues 446 – 459 of human plus two additional N-terminal lysine residues, where * is phospho Serine]

Sheep Number:- S653B

Bleed Number:- Third Bleed

Concentration:- 0.64 mg/ml

Formulation:- Phosphate Buffered Saline

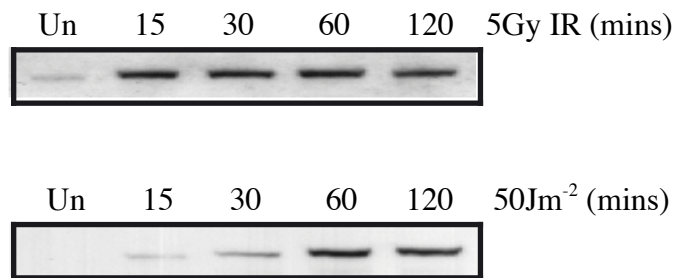
Storage temperature:- -20 °C

Purification Method:- Affinity purified against phospho specific peptide

Working Concentration:- 2 µg/ml for western blotting in the presence of 10 µg/ml of the non-phosphorylated peptide

Publication Reference:-

Unpublished – Therefore please treat this information as highly confidential



Phosphorylation detected in HEK293, HeLa and U2OS cells after treatment with ionising radiation (5Gy) or ultra-violet radiation (50 Jm⁻²). The antibody was incubated with the non-phosphorylated peptide (10 µg/ml) for 30 mins before addition to the nitrocellulose membrane. The antibody was used at 2 µg/ml in 5 % skimmed milk / TBS-Tween and incubated with the membrane for 2 hours at room temperature.

Binding of the primary antibody was detected using rabbit peroxidase conjugated anti-sheep IgG antibody (1 in 10, 000 dilution, Pierce) followed by enhanced chemiluminescence (ECL, Amersham).