

**Antibody Datasheet**

**Product description:-** Anti-53BP1 phospho Ser 176 and Ser 178

**Antigen:-** KKFGVLELS\*QS\*QDVEEN  
 [residues 170 – 184 of human plus two additional lysine residues at the N-terminus, where both \*'s are phospho Serine]

**Sheep Number:-** S652B

**Bleed Number:-** Third Bleed

**Concentration:-** 0.4 mg/ml

**Formulation:-** Phosphate Buffered Saline

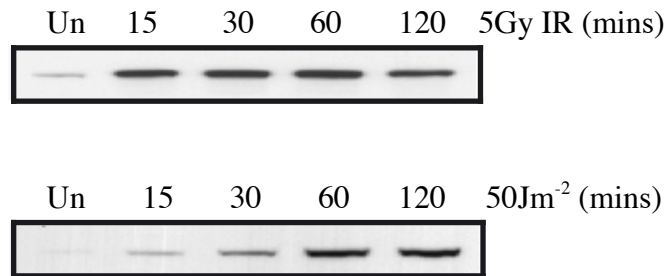
**Storage temperature:-** -20 °C

**Purification Method:-** Affinity purified against phospho specific peptide

**Working Concentration:-** 1 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Unpublished – Therefore please treat this information as highly confidential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<sup>-2</sup>). 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 1 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).