

53BP1 Antibody

货号: **AYP4872**

产品信息

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| 反应 | Human,Mouse |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | |
| 应用 | WB IF ELISA |
| 推荐浓度 | WB: 1:500 - 1:2000 IF: 1:50 - 1:200 |
| 理论分子量 | 213kDa/214kDa |
| 实测分子量 | |
| 形式 | Liquid |
| 保存条件 | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | HeLa |
| 细胞定位 | Chromosome,Nucleus,centromere,kinetochore |
| 纯化 | Affinity purification |

抗原信息

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| 抗原信息 | Synthesized peptide derived from Human 53BP1. |
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靶点信息

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| 研究背景 | Double-strand break (DSB repair protein involved in response to DNA damage, telomere dynamics and class-switch recombination (CSR during antibody genesis. Plays a key role in the repair of double-strand DNA breaks (DSBs in response to DNA damage by promoting non-homologous end joining (NHEJ)-mediated repair of DSBs and specifically counteracting the function of the homologous recombination (HR repair protein BRCA1. In response to DSBs, phosphorylation by ATM promotes interaction with RIF1 and dissociation from NUDT16L1/TIRR, leading to recruitment to DSBs sites. Recruited to DSBs sites by recognizing and binding histone H2A monoubiquitinated at 'Lys-15' (H2AK15Ub and histone H4 dimethylated at 'Lys-20' (H4K20me2, two histone marks that are present at DSBs sites. Required for immunoglobulin class-switch recombination (CSR during antibody genesis, a process that involves the generation of DNA DSBs. Participates in the repair and the orientation of the broken DNA ends during CSR (By similarity. In contrast, it is not required for classic NHEJ and V(D) recombination (By similarity. Promotes NHEJ of dysfunctional telomeres via interaction with PAXIP1. |
| 基因ID | 7158 |
| 基因名 | TP53BP1 |
| Swiss | Q12888 |
| 别名 | TP53BP1;53BP1;TDRD30;TP53;p202;p53BP1 |

产品验证

实验步骤

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