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53BP1 (Phospho-Ser25) Antibody

货号: AYP4152

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC ELISA
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200 **IF/ICC:** 1:50 - 1:200
理论分子量	213kDa/214kDa
实测分子量	214kDa-450KD
形式	Liquid
保存条件	Store at -20℃. 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

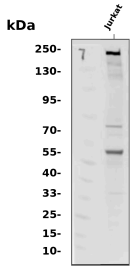
抗原信息

抗原信息	Synthesized peptide derived from Human 53BP1 (Phospho-Ser25).

靶点信息

研究背景	Double-strand break (DSB repair protein involved in response to DNA damage, telomere dynamics and cl ass-switch recombination (CSR during antibody genesis. Plays a key role in the repair of double-strand DN A breaks (DSBs in response to DNA damage by promoting non-homologous end joining (NHEJ-mediated re pair of DSBs and specifically counteracting the function of the homologous recombination (HR repair prot ein 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 bi nding histone H2A monoubiquitinated at 'Lys-15' (H2AK15Ub and histone H4 dimethylated at 'Lys-20' (H4 K20me2, two histone marks that are present at DSBs sites. Required for immunoglobulin class-switch rec ombination (CSR during antibody genesis, a process that involves the generation of DNA DSBs. Participat es 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(DJ recombination (By similarity. Promotes NHEJ of dysfunctional telomeres via interaction with PAXIP1.
基因ID	7158
基因名	TP53BP1
Swiss	Q12888 (https://www.uniprot.org/uniprotkb/Q12888/entry)
别名	TP53BP1,53BP1,TDRD30,TP53,p202,p53BP1,53BP1 (Phospho-Ser25),53BP1 (Phospho-Ser25) Antibody

产品验证



Western blot analysis of extracts from Jurkat cells using 53BP1 (Phospho-Ser25) at 1:500.

实验步骤

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