— ABLYBIO, Help Your Research

# 53BP1 Rabbit mAb

**货号: AYM31461**

## 产品信息

| | |
|---|---|
| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Monoclonal |
| 预测反应 | |
| 应用 | WB IHC IF/ICC FC |
| 推荐浓度 | **WB:** 1:500 - 1:2000<br>**IHC:** 1:50 - 1:200<br>**IF/ICC:** 1:50 - 1:200<br>**FC:** 1:20 - 1:50 |
| 理论分子量 | 213kDa/214kDa |
| 实测分子量 | 450kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. Avoid freeze / thaw cycles.<br>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 |

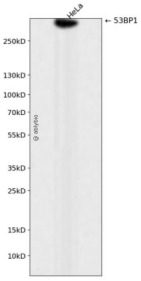
## 抗原信息

| | |
|---|---|
| 抗原信息 | Recombinant fusion protein corresponding to Human 53BP1. |

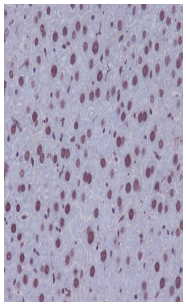
## 靶点信息

| | |
|---|---|
| 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 | 53BP1,53BP1 Rabbit mAb,TP53BP1 |

## 产品验证




Western blot analysis of 53BP1 expressed in HeLa using 53BP1 Rabbit mAb at 1:1000. Secondary antibod y: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunohistochemical analysis of paraffin-embedded mouse liver, using 53BP1 Antibody.

## 实验步骤

访问官网浏览详情: www.ablybio.cn (https://www.ablybio.cn//www.ablybio.cn)