

# 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	<b>WB:</b> 1:500 - 1:2000 <b>IHC:</b> 1:50 - 1:200 <b>IF/ICC:</b> 1:50 - 1:200 <b>FC:</b> 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°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

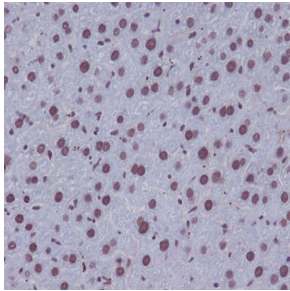
## 抗原信息

抗原信息	Recombinant fusion protein corresponding to Human 53BP1.
序列	FCESSETPFHFTLPKEGDIIPPLTGATPPLIGHLKLEPKRHSTPIGISNYPESTIATSDVMSESMVETHDPILGSGKGD SGAA PDVDDKLC LRMKLVSPETEASEESLQFNLEKPATGERKNGSTAVAESVSPQK

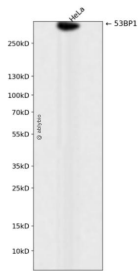
## 靶点信息

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)J 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



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



Western blot analysis of 53BP1 expressed in HeLa using 53BP1 Rabbit mAb at 1:1000. Secondary antibody: 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.

## 实验步骤

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