

A0119

Leader in Biomolecular Solutions for Life Science



## 53BP1 Rabbit pAb

Catalog No.: A0119

### Basic Information

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**Observed MW**

350kDa

**Calculated MW**

214kDa

**Category**

Polyclonal Antibody

**Applications**

WB

**Cross-Reactivity**

Human

### Background

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This gene encodes a protein that functions in the DNA double-strand break repair pathway choice, promoting non-homologous end joining (NHEJ) pathways, and limiting homologous recombination. This protein plays multiple roles in the DNA damage response, including promoting checkpoint signaling following DNA damage, acting as a scaffold for recruitment of DNA damage response proteins to damaged chromatin, and promoting NHEJ pathways by limiting end resection following a double-strand break. These roles are also important during V(D)J recombination, class switch recombination and at unprotected telomeres. Alternative splicing results in multiple transcript variants encoding different isoforms.

### Recommended Dilutions

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WB 1:500 - 1:2000

### Immunogen Information

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**Gene ID**

7158

**Swiss Prot**

Q12888

**Immunogen**

A synthetic peptide of human 53BP1

**Synonyms**

p202; 53BP1; TDRD30; p53BP1

### Contact

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[www.abclonal.com](http://www.abclonal.com)

### Product Information

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**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

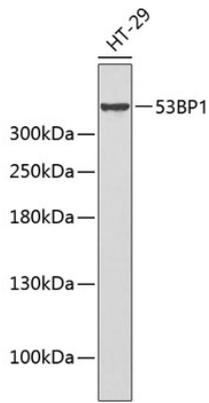
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of HT-29 cells, using 53BP1 antibody (A0119).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.