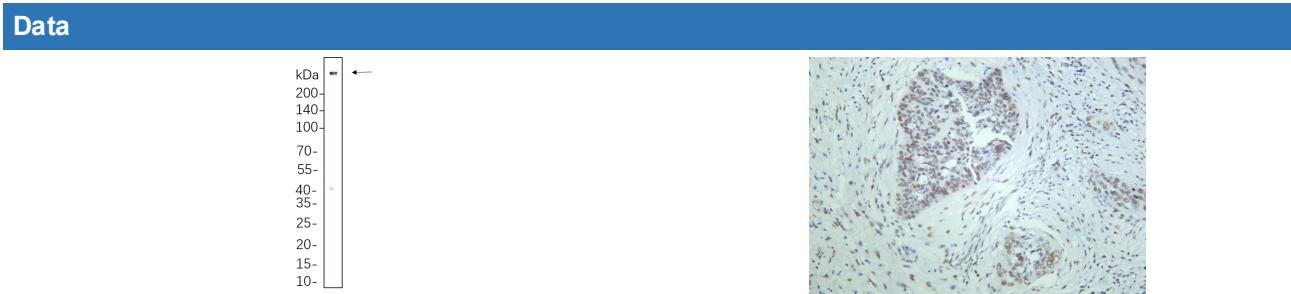


## Recombinant 53BP1 Monoclonal Antibody

catalog number: AN301369L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human
Immunogen	Recombinant Human 53BP1 protein
Host	Rabbit
Isotype	IgG,κ
Clone	B1136
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	
Recommended Dilution	
WB	1:2000-1:10000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000



Western Blot with Recombinant 53BP1 Monoclonal Antibody. Immunohistochemistry of paraffin-embedded human colon at dilution of 1:1000 dilution. Lane A: Hela whole cell lysate. carcinoma using Recombinant 53BP1 Monoclonal Antibody

Observed-MW:450 kDa at dilution of 1:200.

Calculated-MW:214 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background	
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.	

### For Research Use Only

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