

## Phospho-53BP1 (Ser29) Antibody

Cat.#: AF8236  
 Size: 100ul,200ul

Concn.: 1mg/ml  
 Source: Rabbit

Mol.Wt.: 214 kDa  
 Clonality: Polyclonal

**Application:** WB 1:1000-3000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000

**Reactivity:** Human,Mouse,Monkey

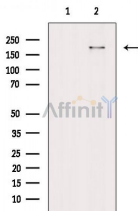
**Purification:** The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.

**Specificity:** Phospho-53BP1 (Ser29) Antibody detects endogenous levels of 53BP1 only when phosphorylated at Ser29.

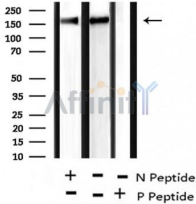
**Immunogen:** A synthesized peptide derived from human 53BP1 around the phosphorylation site of Ser29.

**Uniprot:** Q12888

**Storage Condition and Buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

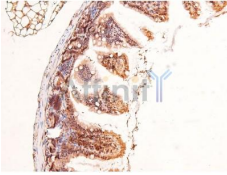


Western blot analysis of extracts from H2O2 treated MDA-MB-231 cells, using Phospho-53BP1 (Ser29) Antibody. The lane on the left was treated with blocking peptide.

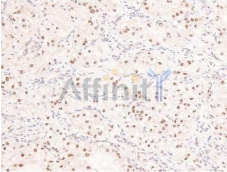


Western blot analysis of 53BP1 (Phospho-Ser29) using COS7 whole cell lysates.

-/+ means absence or presence of N peptide (non-phospho peptide) and P peptide(phospho peptide).



AF8236 at 1/200 staining Mouse intestinal tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



AF8236 at 1/200 staining Human liver cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



AF8236 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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