

Product Data Sheet

Anti-53BP1 Antibody

Catalog #	Source	Reactivity	Applications
CPA3348	Rabbit	H, M, R	WB, IH, IF/IC
Description	F	Rabbit polyclonal antibody	to 53BP1
Immunogen	ł	KLH-conjugated synthetic p	eptide encompassing a sequence within the N-term
	r	region of human 53BP1. Th	e exact sequence is proprietary.
Purification	7	The antibody was purified b	by immunogen affinity chromatography.
Specificity	F	Recognizes endogenous lev	els of 53BP1 protein.
Clonality	F	Polyclonal	
Form	l	Liquid in 0.42% Potassium p	phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol,
	ä	and 0.01% sodium azide.	
Dilution	١	WB (1/500 - 1/1000), IH (1/1	00 - 1/200), IF/IC (1/100 - 1/500)
Gene Symbol	٦	TP53BP1	
Alternative Na	ames	Tumor suppressor p53-bind	ing protein 1; 53BP1; p53-binding protein 1; p53BP1
Entrez Gene	-	7158 (Human)	
SwissProt	(Q12888 (Human); P70399 (Mouse)
Storage/Stabi	i lity S	Shipped at 4°C. Upon delive	ery aliquot and store at -20°C for one year. Avoid
	f	freeze/thaw cycles.	

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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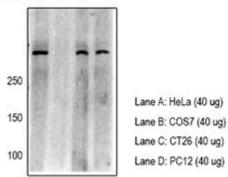
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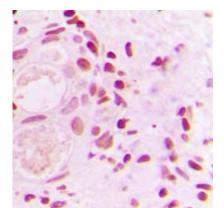
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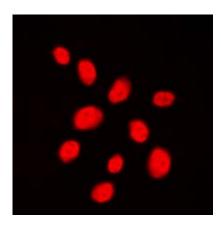
kDa A B C D



Western blot analysis of 53BP1 expression in HeLa (A), COS7 (B), CT26 (C), PC12 (D) whole cell lysates.



Immunohistochemical analysis of 53BP1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of 53BP1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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