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Product Data Sheet

Anti-BRCA1 Antibody

Catalog #	Source	Reactivity	Applications
CPA1107	Rabbit	H, M, R	WB, IH

Description	Rabbit polyclonal antibody to BRCA1
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BRCA1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of BRCA1 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)
Gene Symbol	BRCA1
Alternative Names	RNF53; Breast cancer type 1 susceptibility protein; RING finger protein 53
Entrez Gene	672 (Human); 12189 (Mouse); 497672 (Rat)
SwissProt	P38398 (Human); P48754 (Mouse); O54952 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid 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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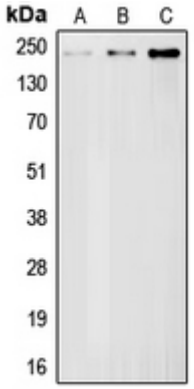
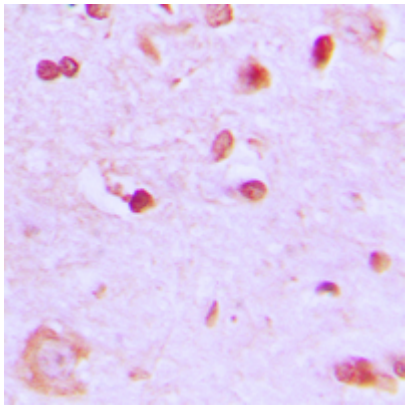


Western blot analysis of BRCA1 expression in HeLa (A), mouse liver (B), rat liver (C) whole cell lysates. (Predicted band size: 7; 78-85; 202-210 kD; Observed band size: 210 kD)



Immunohistochemical analysis of BRCA1 staining in human brain 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.

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