

ABRA1 Polyclonal Antibody

Catalog NumberPA5-20412

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	5 µg/mL
Type	Antibody	Western Blot (WB)	1 µg/mL
Immunogen	A 15 amino acid peptide from near the amino terminus of human CCDC98.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is human breast tissue lysate. PA5-20412 can be used with blocking peptide PEP-0529.

Background/Target Information

CCDC98, also known as Abraxas 1, was identified through protein binding studies using the breast and ovarian predisposition protein BRCA1 as the binding target. CCDC98 recruits RAP80, a ubiquitin-binding protein, to BRCA1, allowing the formation of BRCA1 foci in response to DNA damage caused by ionizing radiation. Both CCDC98 and RAP80 are required for DNA damage resistance, G2-M checkpoint control, and DNA repair. Cells depleted of either CCDC98 or RAP80 exhibited increased sensitivity to ionizing radiation, although not as much as in BRCA1-depleted cells, suggesting that CCDC98 and RAP80 control only part of the DNA damage response role of BRCA1. At least two isoforms of CCDC98 are known to exist.

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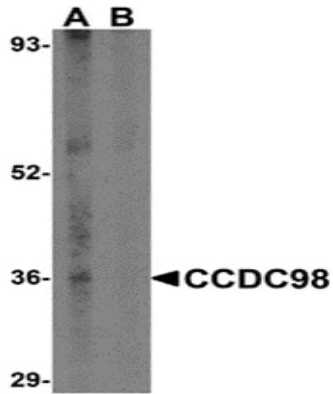
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Product Images For ABRA1 Polyclonal Antibody



ABRA1 Antibody (PA5-20412) in IHC

Immunohistochemistry of CCDC98 in human breast tissue with ABRA1 Polyclonal Antibody (Product # PA5-20412) at 5 µg/mL.



ABRA1 Antibody (PA5-20412) in WB

Western Blot analysis of CCDC98 in human breast tissue lysate in (A) the absence and (B) presence of blocking peptide with ABRA1 Polyclonal Antibody (Product # PA5-20412) at 1 µg/mL.

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