

BRE Polyclonal Antibody

Catalog NumberPA5-22154

Product data sheet

Details		Tested Applications		Dilution *	
Size	100 µL	Immunohistochemistry (Paraffin) (IHC (P)) Western Blot (WB) Immunocytochemistry (ICC/IF)		1:100-1:1,000	
Host/Isotope	Rabbit / IgG			1:500-1:3,000	
Class	Polyclonal			1:100-1:1,000	
Type	Antibody				
Immunogen	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 51 and 229 (Q9NXR7) of BRE				
Conjugate	Unconjugated				
Form	Liquid				
Concentration	1 mg/mL				
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles				

* 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.

Product specific information

PA5-22154 targets BRE in ICC, IF, IHC (P), and WB applications and shows reactivity with Human and mouse samples. The PA5-22154 immunogen is recombinant protein fragment contain a sequence corresponding to a region within amino acids 51 and 229 (Q9NXR7) of BRE.

Background/Target Information

BRCC45 was initially suggested to be a housekeeping protein that is highly expressed in brain and reproductive organs. Later experiments indicated BRCC45 forms a complex with the breast and ovarian predisposition proteins BRCA1 and BRCA2 as well as RAD51 and BRCC36. This complex has a ubiquitin E3 ligase activity and is thought to enhance cellular survival following DNA damage. BRCC45 has also been suggested to function as a death receptor-associated anti-apoptotic protein by inhibiting the BID-induced activation of the mitochondrial apoptotic pathway. Higher levels of BRCC45 were detected in the majority of hepatocellular carcinomas, suggesting that BRCC45 may promote tumorigenesis when overexpressed. At least three isoforms of BRCC45 are known to exist.

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