

BIK Polyclonal Antibody

Catalog NumberPA5-20249

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	Dilution *1-2 µg/mL
Immunogen	A 15 amino acid peptide from near the amino terminus of human BIK.	Immunocytochemistry (ICC/IF)	1:200
Conjugate	Unconjugated	* 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.	
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 Jurkat cell lysate. PA5-20249 can be used with blocking peptide PEP-0371.

Background/Target Information

The Bik protein is known to interact with cellular and viral survival-promoting proteins, such as BCL2 and the Epstein-Barr virus in order to enhance programmed cell death. Because its activity is suppressed in the presence of survival-promoting proteins, this protein is suggested as a likely target for antiapoptotic proteins. This protein shares a critical BH3 domain with other death-promoting proteins, BAX and BAK.

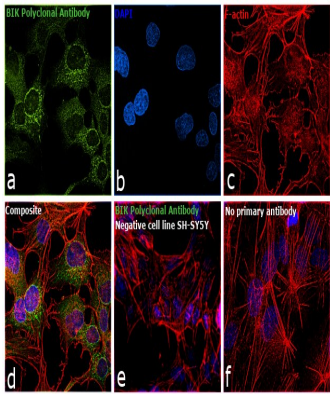
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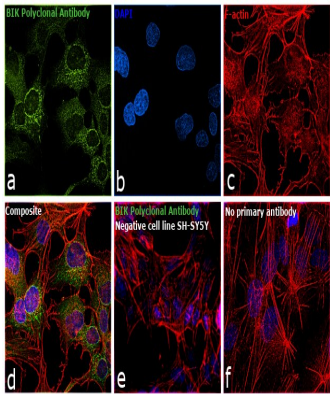
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Product Images For BIK Polyclonal Antibody



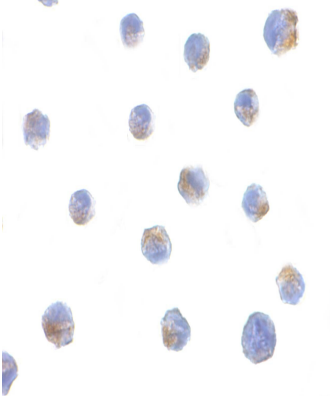
BIK Antibody (PA5-20249) in ICC/IF

Immunofluorescence analysis of BIK was performed using 70% confluent log phase Hep G2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with BIK Polyclonal Antibody (Product # PA5-20249) at 1:200 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing ER membrane/cytoplasmic localization. Panel e represents negative control, SH-SY5Y cells. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



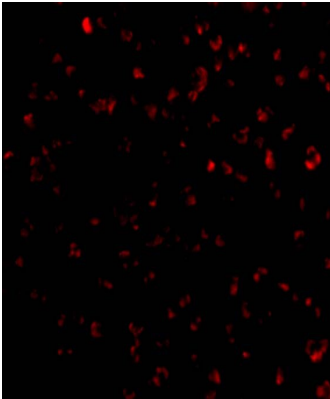
BIK Antibody (PA5-20249)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-BIK Polyclonal Antibody (Product # PA5-20249), relative expression of BIK was observed in Hep G2 cells as compared to SH-SY5Y. {RE}



BIK Antibody (PA5-20249) in ICC/IF

Immunocytochemistry of BIK in Jurkat cells with BIK Polyclonal Antibody (Product # PA5-20249) at 1 µg/mL.



BIK Antibody (PA5-20249) in ICC/IF

Immunofluorescence of Bik in Jurkat cells with BIK Polyclonal Antibody (Product # PA5-20249) at 10 µg/mL.

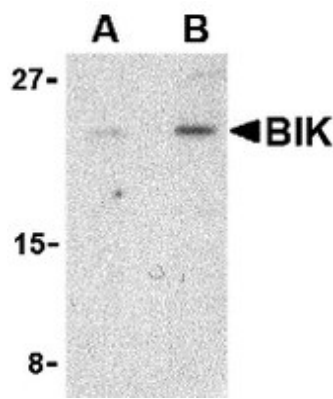
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**BIK Antibody (PA5-20249) in WB**

Western Blot analysis of BIK in Jurkat cell lysate with BIK Polyclonal Antibody (Product # PA5-20249) at (A) 1 and (B) 2 µg/mL.



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