

BUBR1 Polyclonal Antibody

Catalog NumberPA1-12553

Product data sheet

Details		Species Reactivity	
Size	250 µg	Species reactivity	Mouse
Host/Isotope	Sheep / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	Assay-dependent
Type	Antibody	Western Blot (WB)	Assay-dependent
Immunogen	Recombinant protein corresponding to residues 232-603 of mouse Bub1b.	* 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		
Purification	Ammonium sulfate precipitation		
Storage buffer	PBS		
Contains	0.08% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

A suggested positive control for this product is mitotic NIH-3T3 cells.

Background/Target Information

BUBR1 is a member of the Ser/Thr protein kinase family. It is a component of the mitotic checkpoint that delays anaphase until all chromosome are properly attached to the mitotic spindle. Compromised spindle checkpoints are thought to play an important role in genetic instability that predisposes cells to malignant transformations. Human cells contain two related checkpoint protein kinases, evolved from the BUB1 gene; hBUBR1 and hBUB1. They are important components of the spindle checkpoint Both kinases monitor mitotic kinetochore-microtubule interactions. hBUBR1 is essential for normal mitotic progression as it prevents cells from entering into anaphase too early. BUBR1 has been detected in human cancers. It has been identified as a novel binding partner of BCSG1 (Breast Cancer-Specific Gene 1), which has been suggested to accelerate the progression of breast cancer by compromising the mitotic checkpoint control through inactivation of BUBR1.

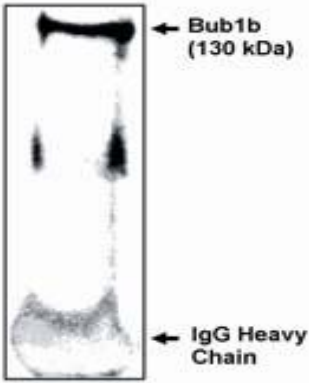
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BUBR1 Antibody (PA1-12553) in WB
Western blot analysis of Bub1b using a polyclonal antibody (Product # PA1-12553).



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