

Anti-Aurora A Rabbit pAb



WL03733

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Aurora A Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:400
	IF	1:100-1:400
Cellular localization	Cytoplasm, cytoskeleton	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	Aurora A is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. Specifically, Aurora A plays a key role in G2/M progression. Activation occurs via autophosphorylation, and while 14 sites are subject to this, only the threonine residue at position 295 is required for activity. Though autophosphorylation mediates activation, a number of other proteins influence activation, including the spindle assembly factor TPX2 and p53.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Aurora A.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

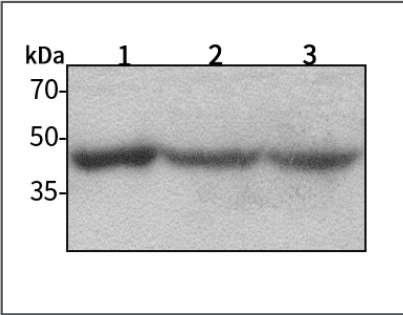
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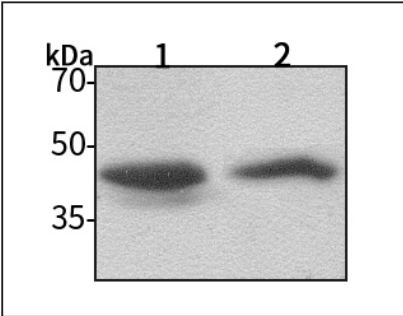
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Product Images



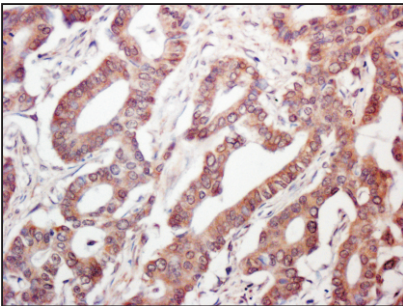
Western blot-Anti-Aurora A pAb

Lane 1: Human A549 cell lysate
Lane 2: Human HUVEC cell lysate
Lane 3: Human SW480 cell lysate
All lanes: Anti-Aurora A at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 46 kDa
Observed band size: 46 kDa



Western blot-Anti-Aurora A pAb

Lane 1: Mouse heart tissue lysate
Lane 2: Rat lung tissue lysate
All lanes: Anti-Aurora A at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 46 kDa
Observed band size: 46 kDa



Immunohistochemistry-Anti-Aurora A pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-Aurora A Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

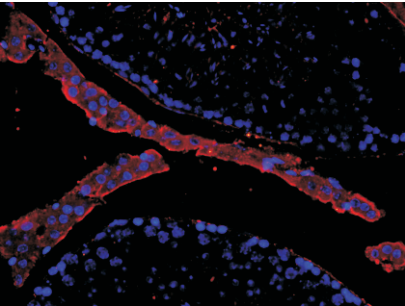
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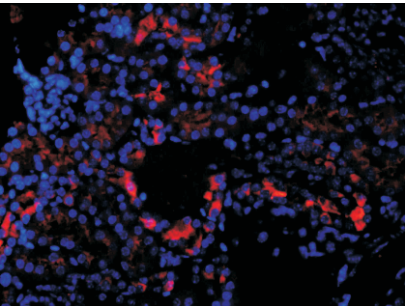
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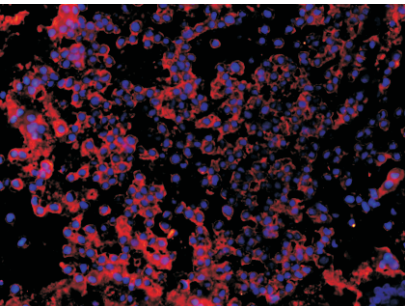
Immunofluorescence-Anti-Aurora A pAb

Immunofluorescence analysis of paraffin-embedded mouse testis using anti-Aurora A Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Aurora A pAb

Immunofluorescence analysis of paraffin-embedded mouse kidney using anti-Aurora A Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Aurora A pAb

Immunofluorescence analysis of paraffin-embedded rat ovary using anti-Aurora A Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

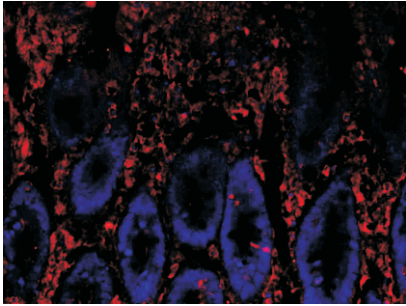
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Immunofluorescence-Anti-Aurora A pAb

Immunofluorescence analysis of paraffin-embedded rat intestine using anti-Aurora A Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0